

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112545.D
 Acq On : 13 Feb 2019 18:10
 Operator : JU/SJ
 Sample : K1343-31 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

Quant Time: Feb 14 04:12:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	99138	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	384363	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	167422	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	282685	20.00	ng	0.00
76) Chrysene-d12	14.02	240	236989	20.00	ng	0.00
87) Perylene-d12	15.50	264	175013	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	133159	28.53	ng	0.00
7) Phenol-d6	6.49	99	173394	26.74	ng	0.00
23) Nitrobenzene-d5	7.40	82	103987	15.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	39752	20.40	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	203483	17.19	ng	-0.01
79) Terphenyl-d14	12.94	244	180936	14.38	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.49	77	118	0.035	ng	# 1
10) Phenol	6.50	94	2119	0.298	ng	# 1
15) Benzyl Alcohol	6.99	79	1728	0.316	ng	# 42
18) Hexachloroethane	7.37	117	813	0.308	ng	# 1
19) n-Nitroso-di-n-propylamine	7.40	70	14764	3.301	ng	# 75
22) Acetophenone	7.23	105	2241	0.239	ng	# 64
24) Nitrobenzene	7.40	77	275	0.041	ng	# 37
25) Isophorone	7.40	82	103987	9.937	ng	# 63
28) bis(2-Chloroethoxy)methane	7.89	93	125	0.018	ng	# 48
29) 2,4-Dichlorophenol	8.06	162	489	0.089	ng	# 26
31) Naphthalene	8.14	128	2291	0.127	ng	# 67
33) 4-Chloroaniline	8.16	127	127	0.016	ng	# 1
35) Caprolactam	8.53	113	735	0.380	ng	# 1
36) 4-Chloro-3-methylphenol	8.76	107	123	0.021	ng	# 17
37) 2-Methylnaphthalene	8.84	142	1817	0.148	ng	# 80
38) 1-Methylnaphthalene	8.93	142	1318	0.112	ng	# 67
46) 1,1'-Biphenyl	9.30	154	948	0.065	ng	# 77
48) 2-Nitroaniline	9.46	65	131	0.042	ng	# 1
49) Acenaphthylene	9.74	152	1215	0.073	ng	# 59
50) Dimethylphthalate	9.59	163	17476	1.343	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	22611	7.761	ng	# 34
52) Acenaphthene	9.91	154	1161	0.117	ng	# 92
55) Dibenzofuran	10.09	168	1319	0.087	ng	# 79
56) 4-Nitrophenol	10.08	139	620	0.372	ng	# 75
57) 2,4-Dinitrotoluene	9.87	165	22611	6.097	ng	# 32
58) Fluorene	10.43	166	1880	0.165	ng	# 61
60) Diethylphthalate	10.28	149	1285	0.100	ng	# 86
61) 4-Chlorophenyl-phenylether	10.23	204	164	0.027	ng	# 71
63) Azobenzene	10.57	77	1744	0.154	ng	# 3
66) n-Nitrosodiphenylamine	10.52	169	1447	0.152	ng	# 72
67) 4-Bromophenyl-phenylether	10.67	248	2149	0.646	ng	# 1
69) Atrazine	11.23	200	107	0.035	ng	# 34
71) Phenanthrene	11.39	178	17360	1.181	ng	# 96
72) Anthracene	11.39	178	17360	1.186	ng	# 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

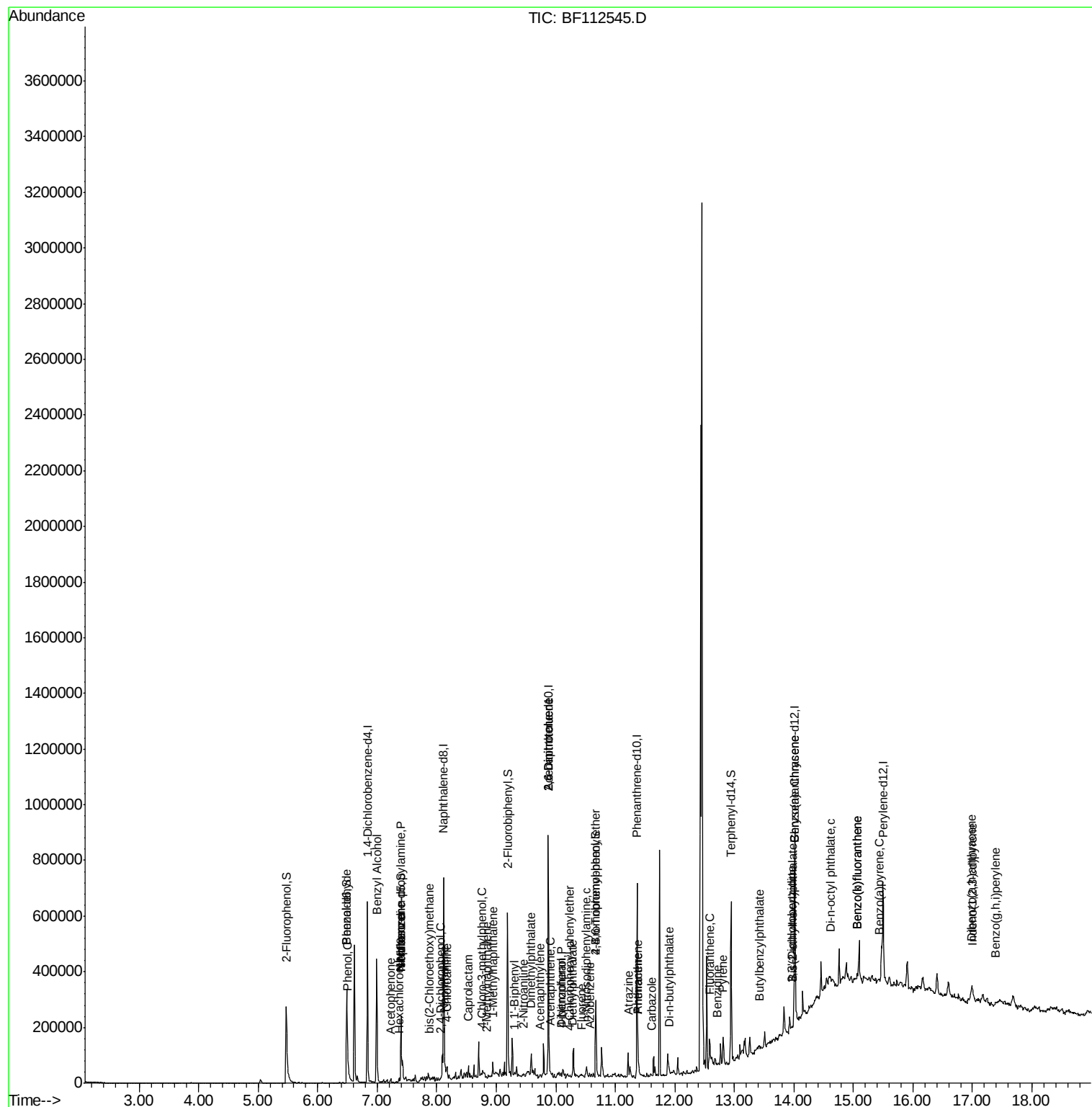
73) Carbazole	11.61	167	2185	0.151	ng	# 86
74) Di-n-butylphthalate	11.92	149	1334	0.074	ng	# 77
75) Fluoranthene	12.59	202	25600	1.624	ng	96
77) Benzidine	12.70	184	122	0.019	ng	# 1
78) Pyrene	12.82	202	26166	1.595	ng	99
80) Butylbenzylphthalate	13.42	149	528	0.067	ng	# 9
81) Benzo(a)anthracene	14.00	228	12009	0.862	ng	95
82) 3,3'-Dichlorobenzidine	13.96	252	930	0.178	ng	# 78
83) Chrysene	14.00	228	12048	0.906	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	1592	0.141	ng	# 83
85) Di-n-octyl phthalate	14.62	149	643	0.037	ng	# 66
86) Indeno(1,2,3-cd)pyrene	17.01	276	4618	0.438	ng	# 86
88) Benzo(b)fluoranthene	15.06	252	15365	1.468	ng	# 35
89) Benzo(k)fluoranthene	15.06	252	15365	1.533	ng	# 36
90) Benzo(a)pyrene	15.44	252	7985	0.848	ng	# 38
91) Dibenzo(a,h)anthracene	17.00	278	1844	0.243	ng	# 1
92) Benzo(g,h,i)perylene	17.39	276	439	0.061	ng	# 1

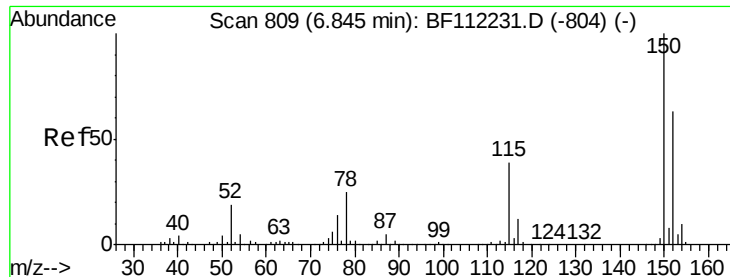
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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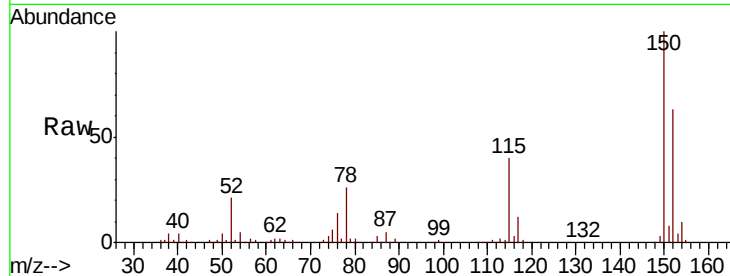


#1

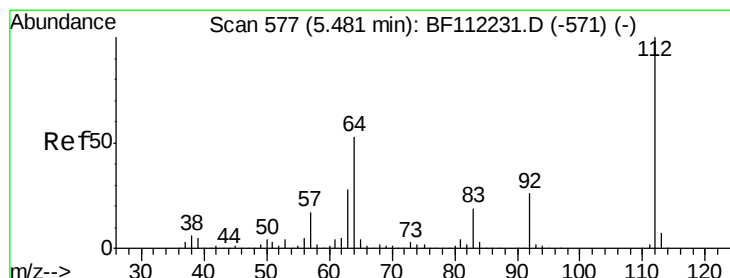
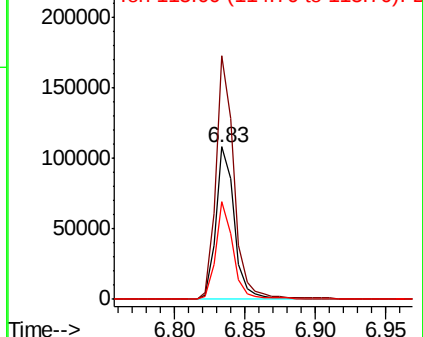
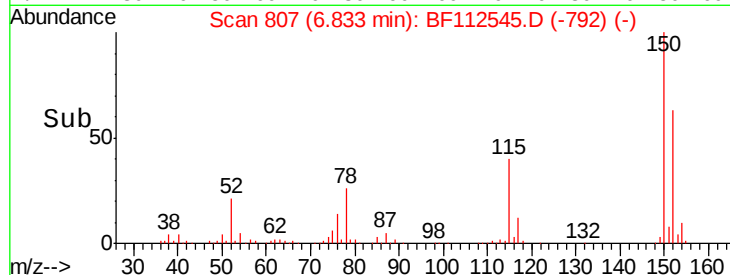
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Instrument :
BNA_F
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JC-02-021119-P

Tgt Ion:152 Resp: 99138
Ion Ratio Lower Upper
152 100
150 159.5 127.4 191.0
115 64.1 45.5 68.3



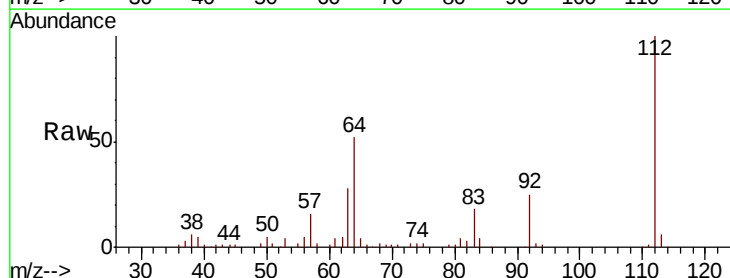
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



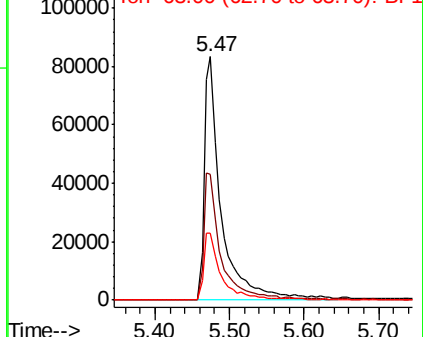
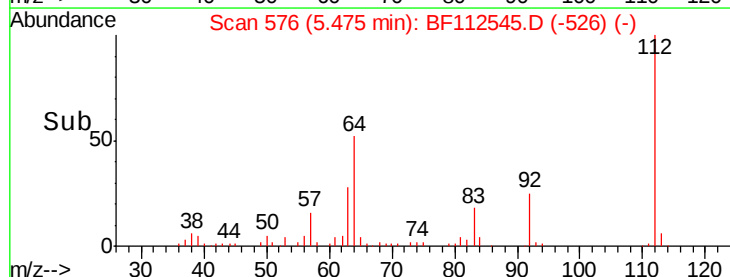
#5

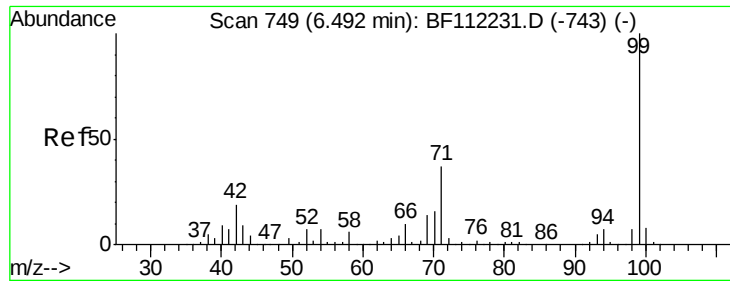
2-Fluorophenol
Concen: 28.530 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:112 Resp: 133159
Ion Ratio Lower Upper
112 100
64 51.8 45.7 68.5
63 27.6 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.735 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

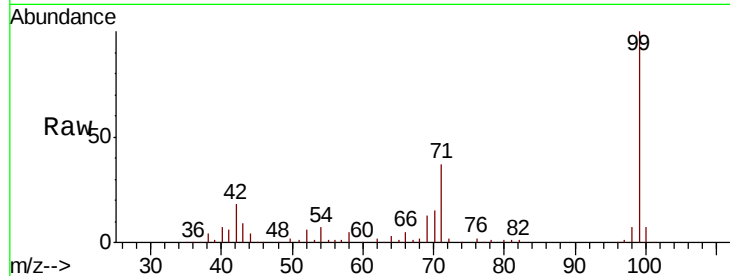
Tgt Ion: 99 Resp: 173394

Ion Ratio Lower Upper

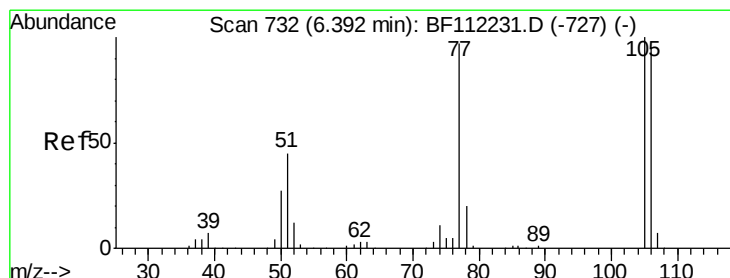
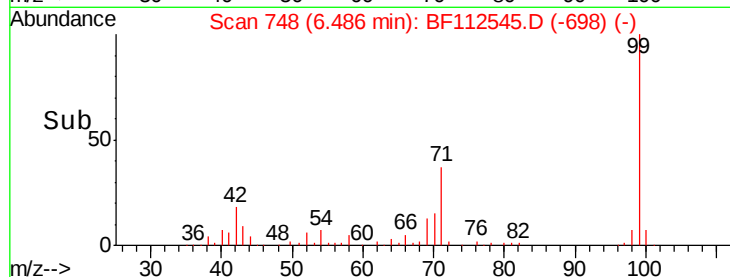
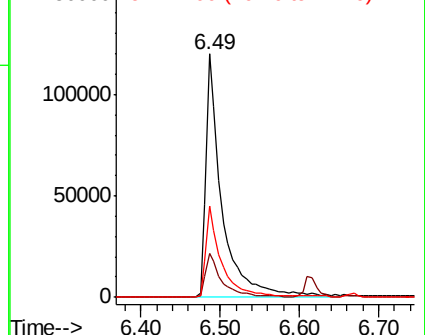
99 100

42 18.2 15.1 22.7

71 37.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 0.035 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.09 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

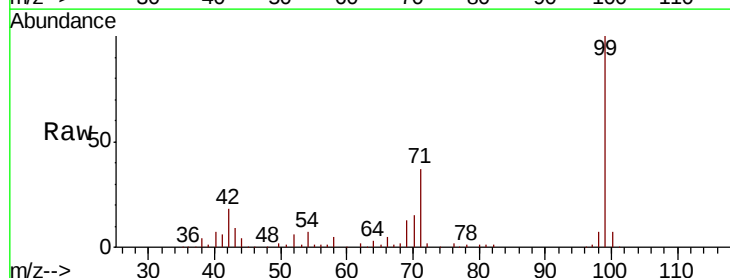
Tgt Ion: 77 Resp: 118

Ion Ratio Lower Upper

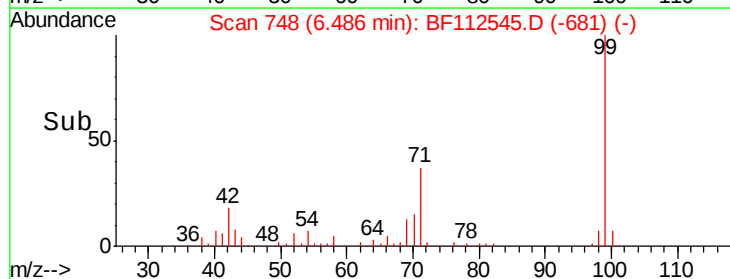
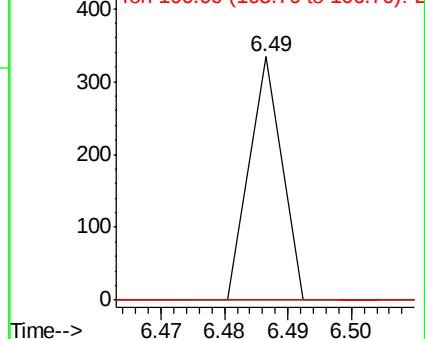
77 100

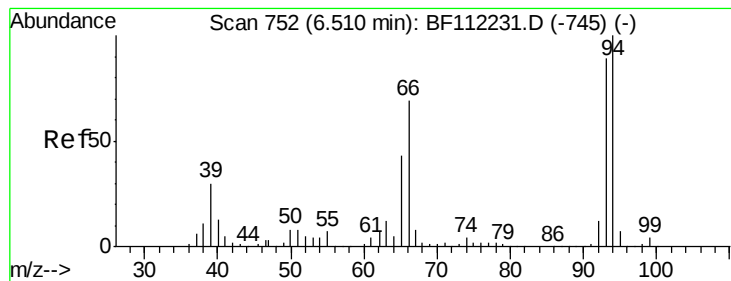
105 0.0 80.8 120.8#

106 0.0 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.298 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

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JC-02-021119-P

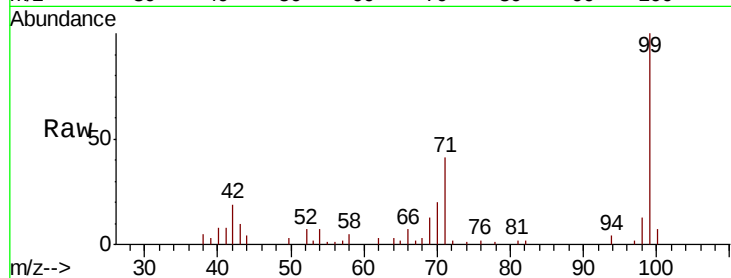
Tgt Ion: 94 Resp: 2119

Ion Ratio Lower Upper

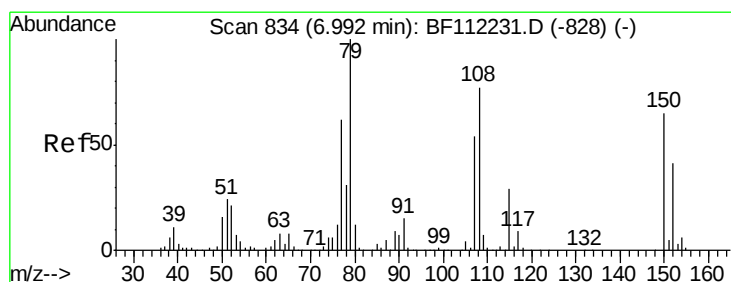
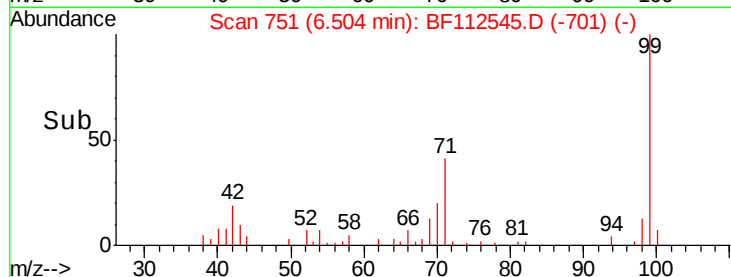
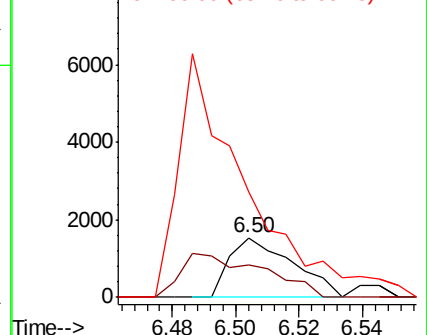
94 100

65 54.6 20.3 60.3

66 177.2 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 0.316 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

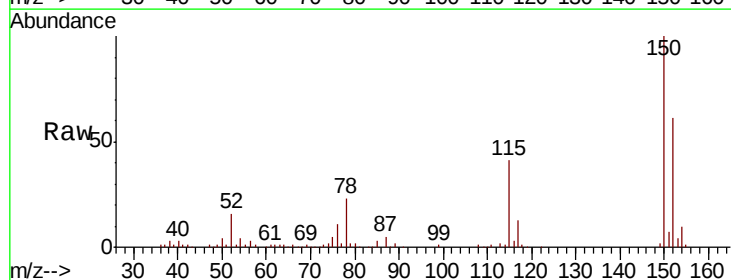
Tgt Ion: 79 Resp: 1728

Ion Ratio Lower Upper

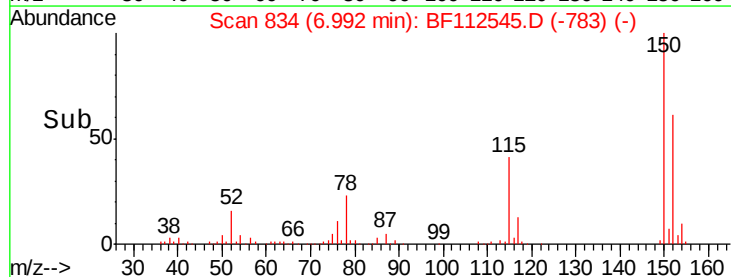
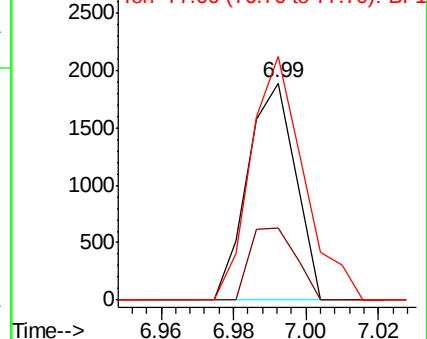
79 100

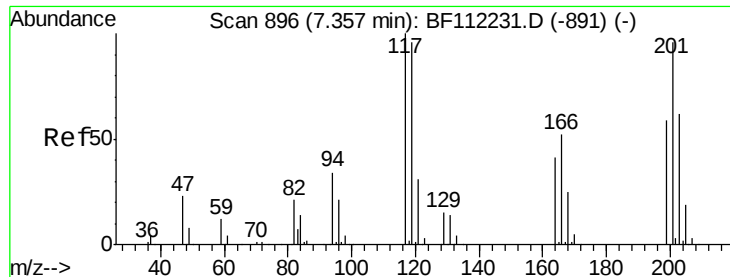
108 33.0 64.2 96.2#

77 112.3 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

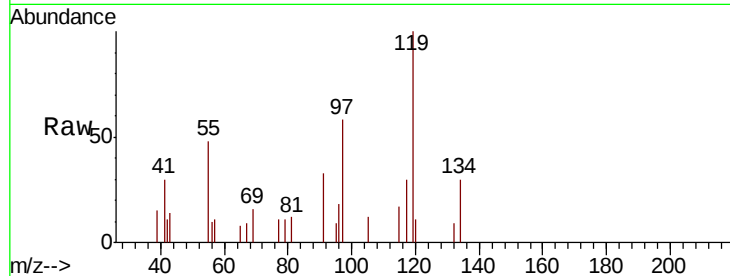




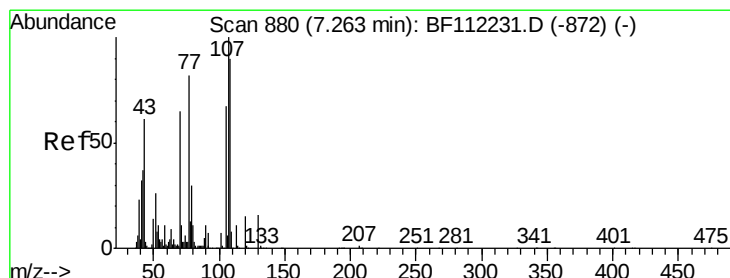
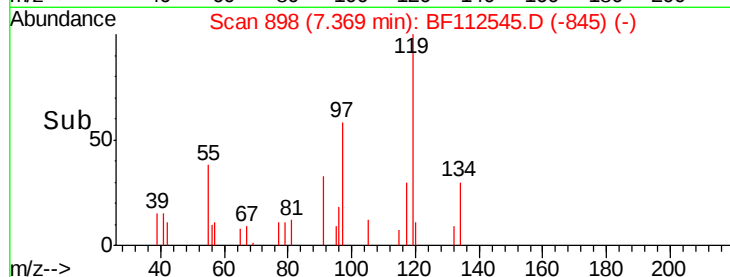
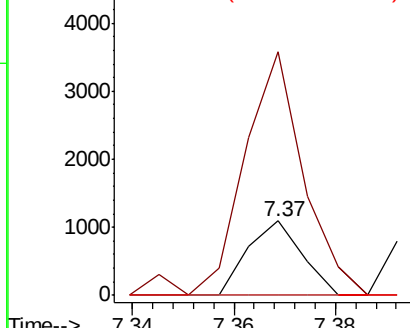
#18
Hexachloroethane
Concen: 0.308 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

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Tgt Ion: 117 Resp: 813
Ion Ratio Lower Upper
117 100
119 328.3 77.0 115.4#
201 0.0 74.1 111.1#

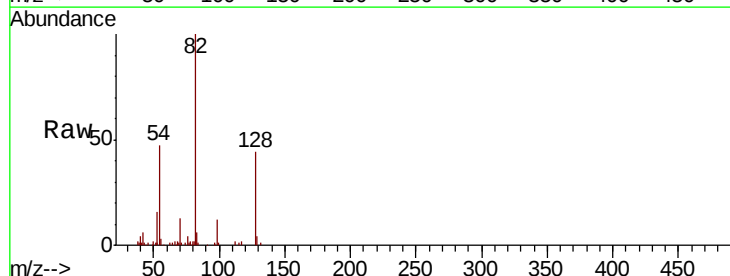


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

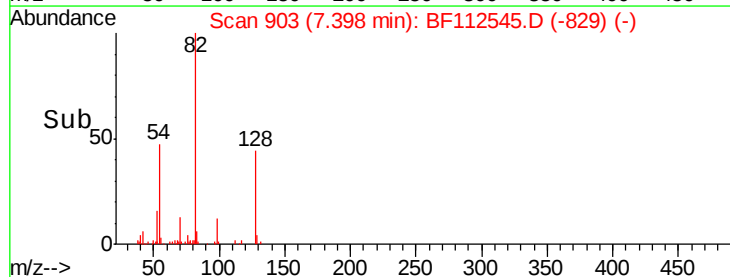
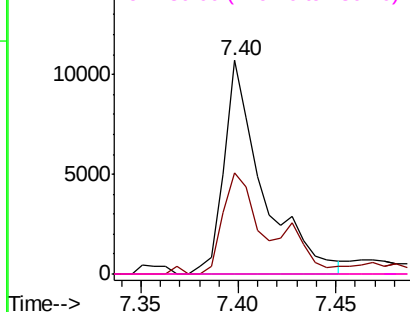


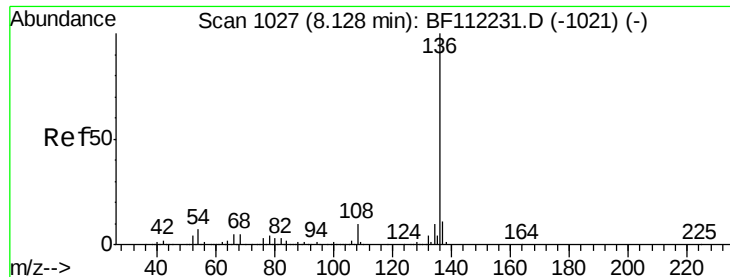
#19
n-Nitroso-di-n-propylamine
Concen: 3.301 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion: 70 Resp: 14764
Ion Ratio Lower Upper
70 100
42 47.3 47.6 71.4#
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

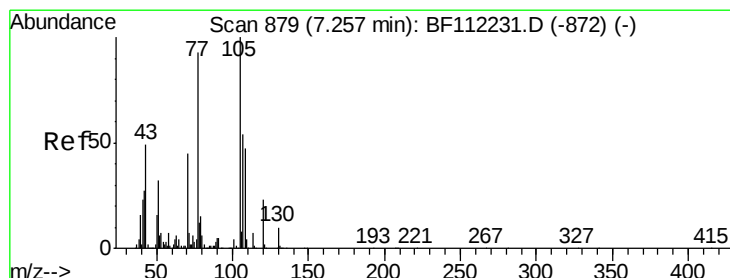
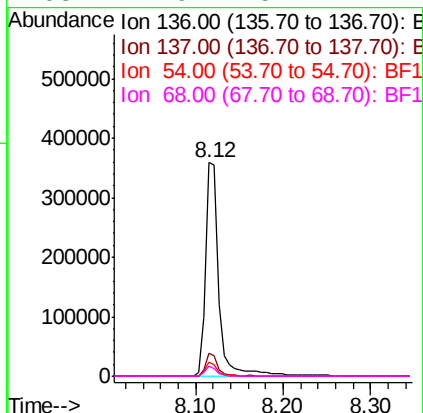
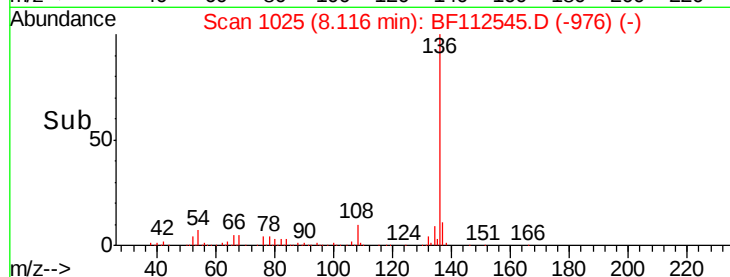
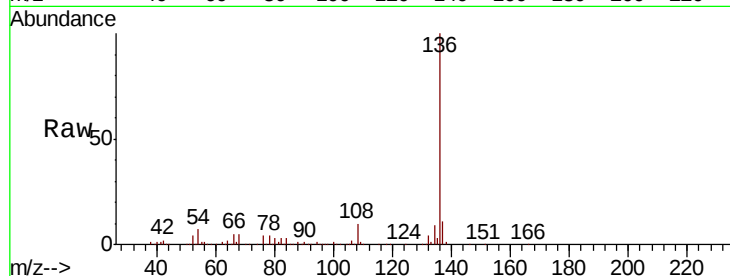




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

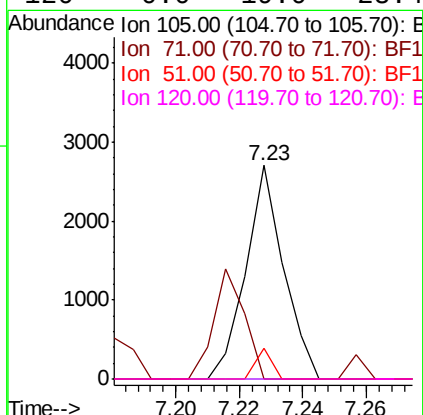
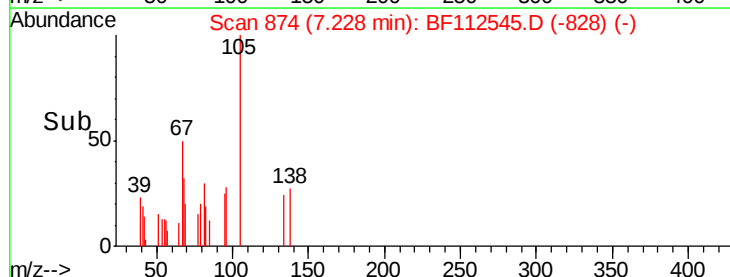
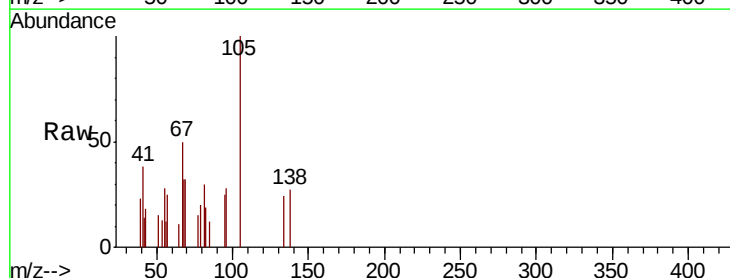
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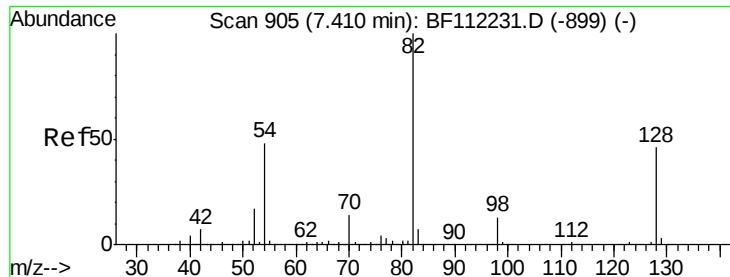
Tgt Ion:	136	Resp:	384363
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.5	5.9	8.9
68	4.9	5.1	7.7#



#22
Acetophenone
Concen: 0.239 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.03 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:	105	Resp:	2241
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.6	6.8#
51	14.7	25.0	37.6#
120	0.0	19.0	28.4#





#23

Nitrobenzene-d5

Concen: 15.589 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

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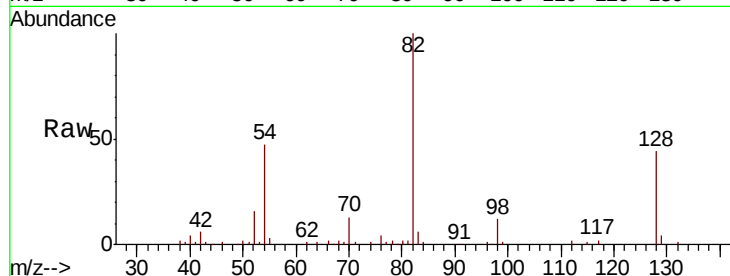
Tgt Ion: 82 Resp: 103987

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

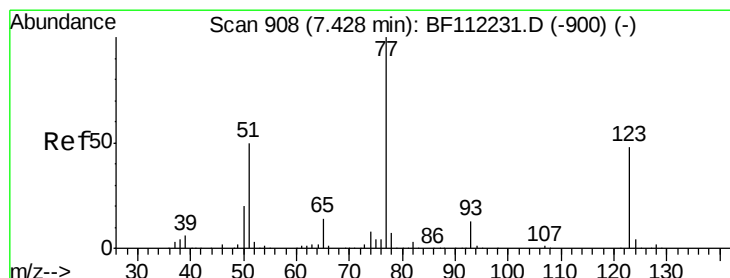
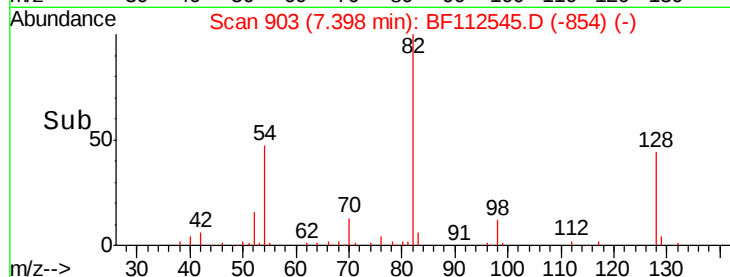
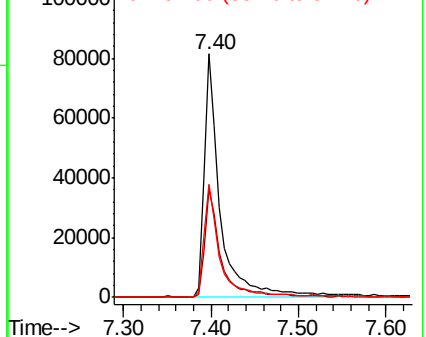
54 46.6 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.041 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

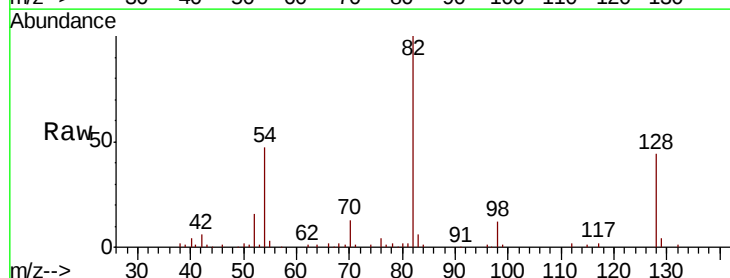
Tgt Ion: 77 Resp: 275

Ion Ratio Lower Upper

77 100

123 0.0 38.4 57.6#

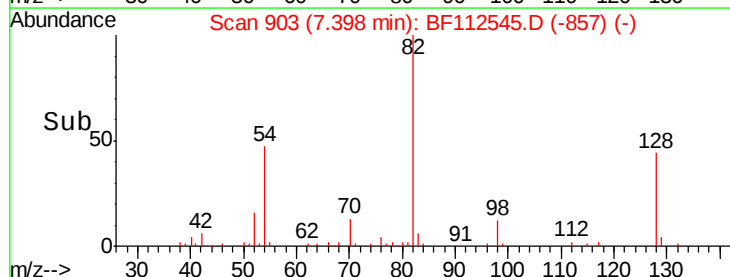
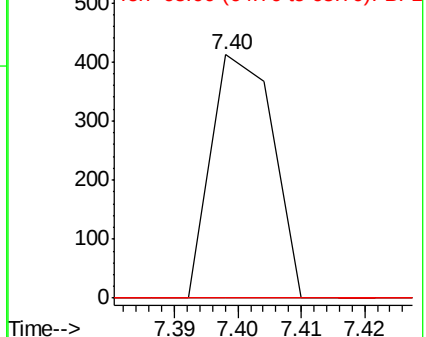
65 0.0 10.6 15.8#

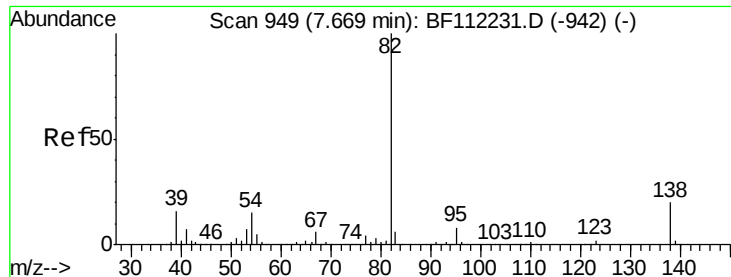


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 9.937 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

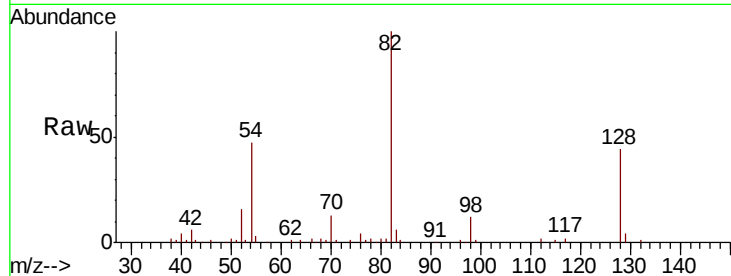
Tgt Ion: 82 Resp: 103987

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

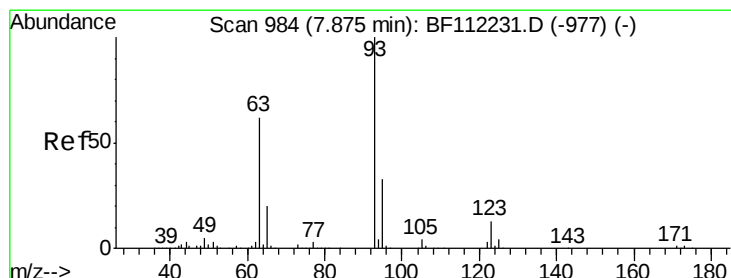
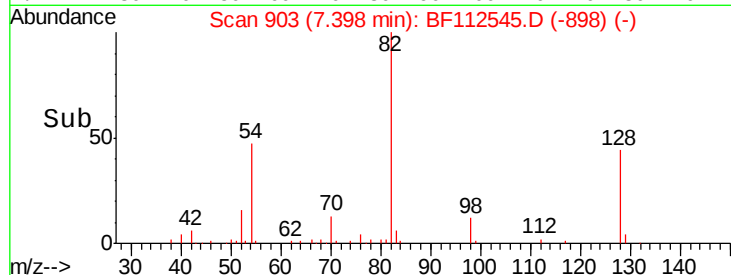
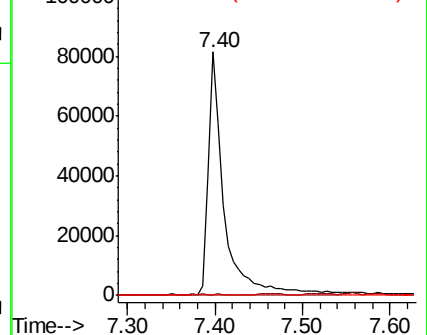
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#28

bis(2-Chloroethoxy)methane

Concen: 0.018 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

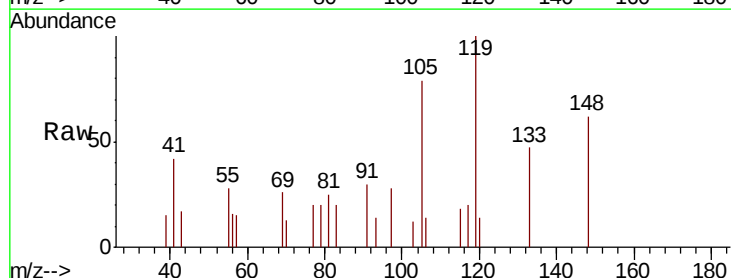
Tgt Ion: 93 Resp: 125

Ion Ratio Lower Upper

93 100

95 0.0 26.8 40.2#

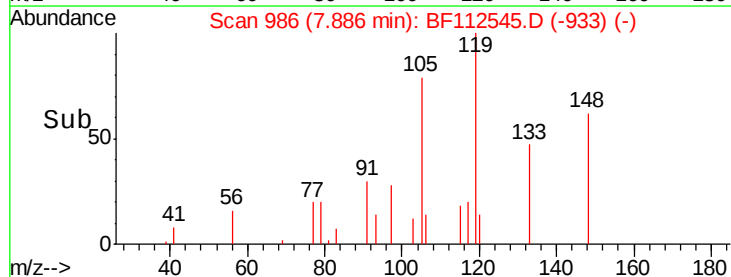
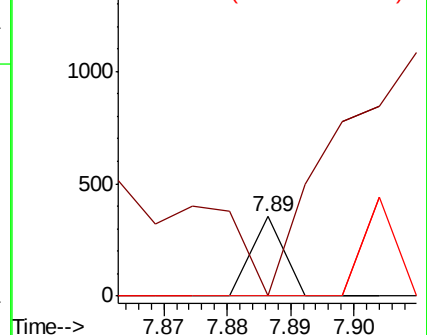
123 0.0 10.2 15.2#

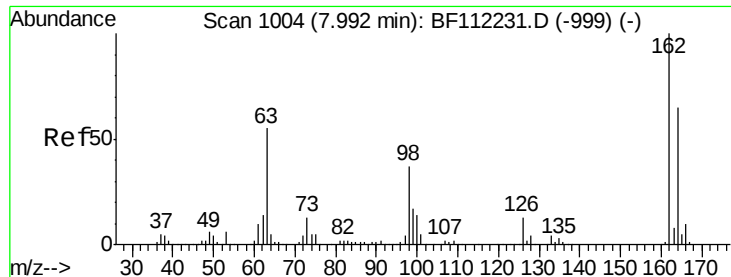


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

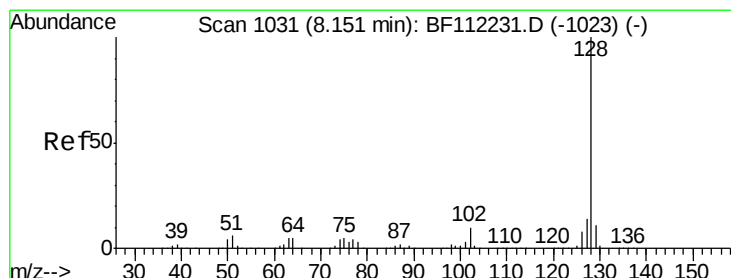
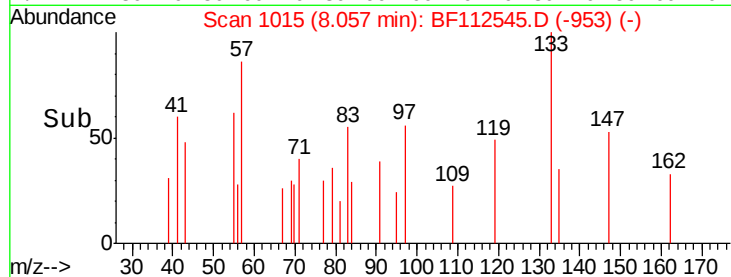
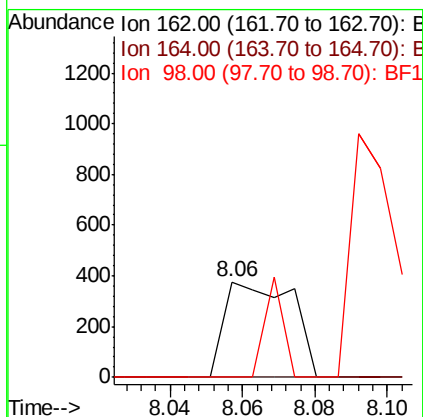
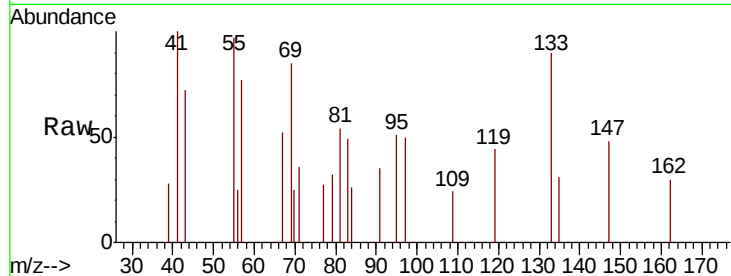




#29
2,4-Dichlorophenol
Concen: 0.089 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.06 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

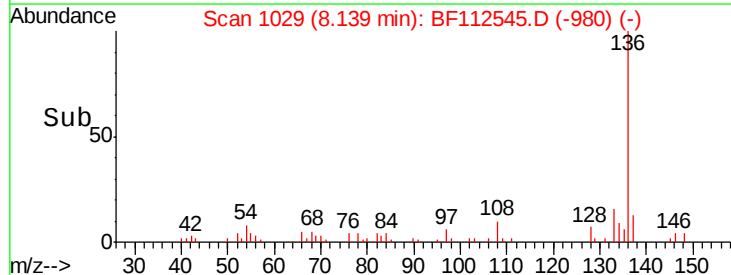
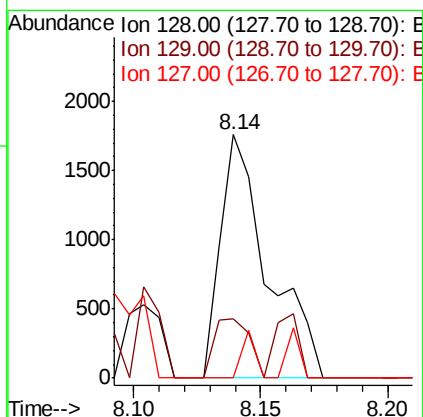
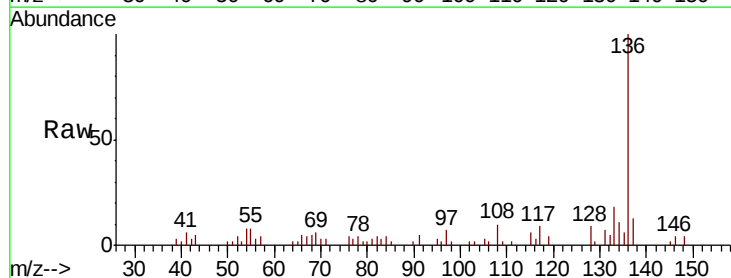
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

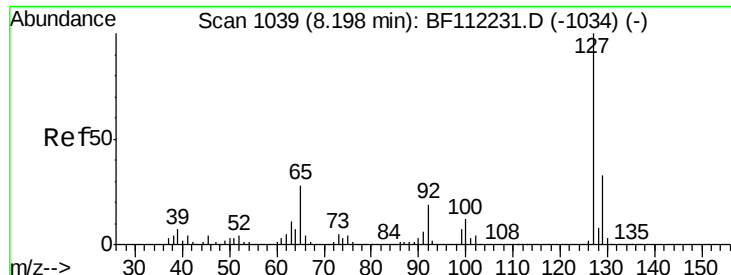
Tgt Ion:162 Resp: 489
Ion Ratio Lower Upper
162 100
164 0.0 44.6 84.6#
98 0.0 14.6 54.6#



#31
Naphthalene
Concen: 0.127 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:128 Resp: 2291
Ion Ratio Lower Upper
128 100
129 24.5 9.6 14.4#
127 0.0 11.1 16.7#

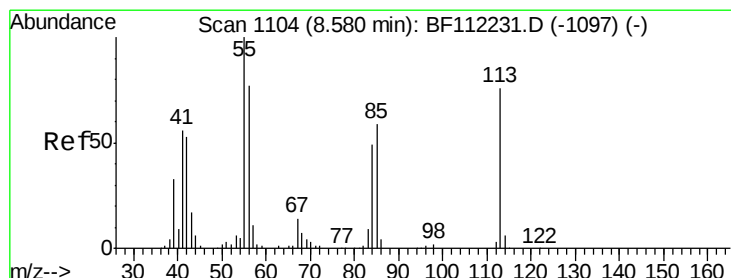
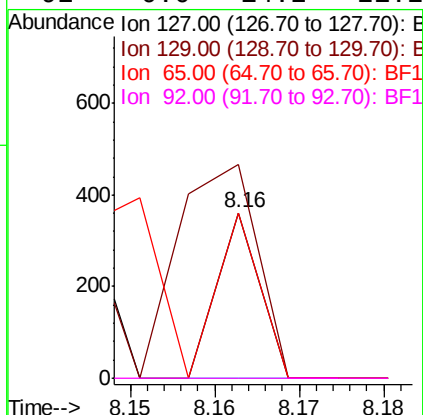
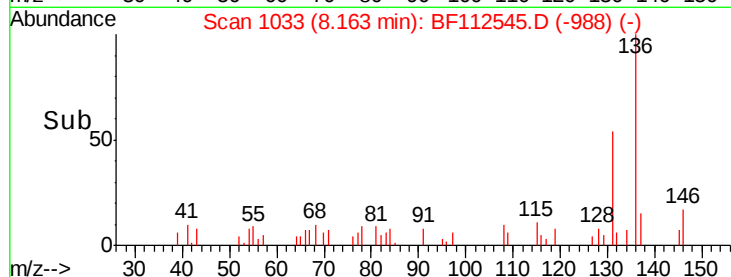
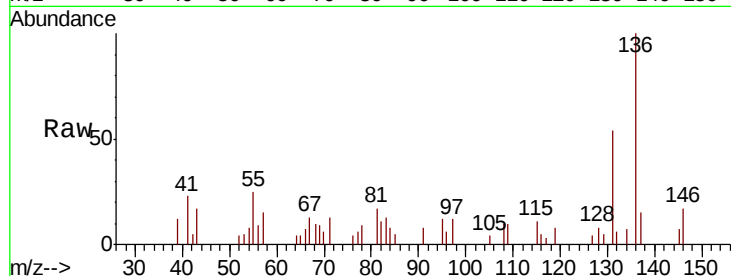




#33
4-Chloroaniline
Concen: 0.016 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.04 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

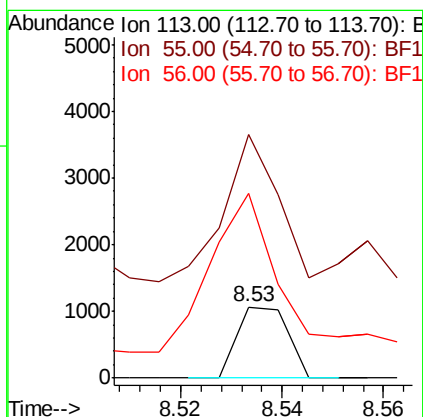
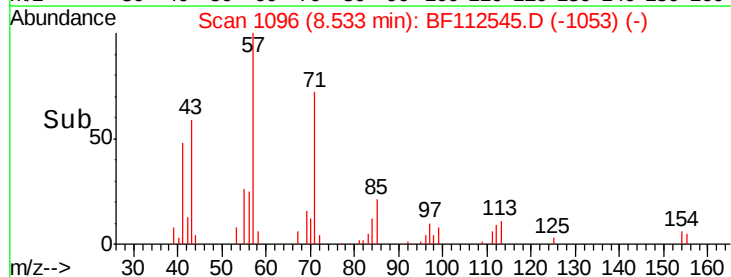
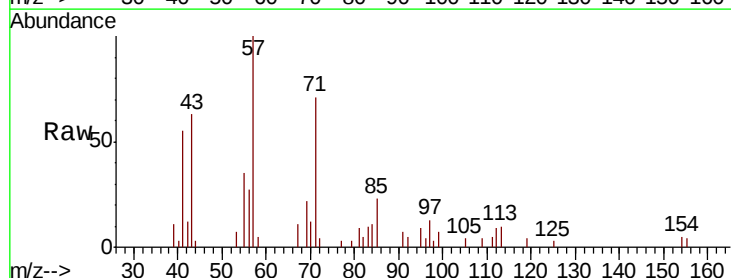
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

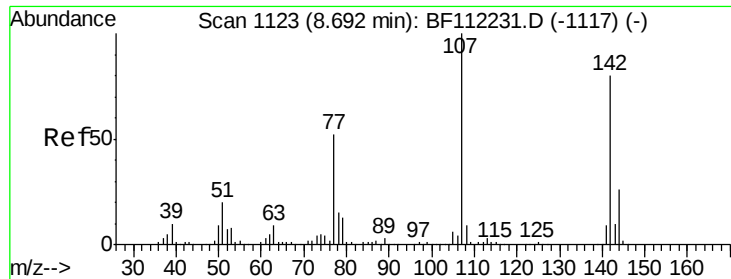
Tgt Ion	Ratio	Lower	Upper
127	100		
129	129.1	26.6	39.8#
65	100.0	21.4	32.2#
92	0.0	14.2	21.2#



#35
Caprolactam
Concen: 0.380 ng
RT: 8.53 min Scan# 1096
Delta R.T. -0.05 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
113	100		
55	343.6	121.6	161.6#
56	260.9	86.7	126.7#

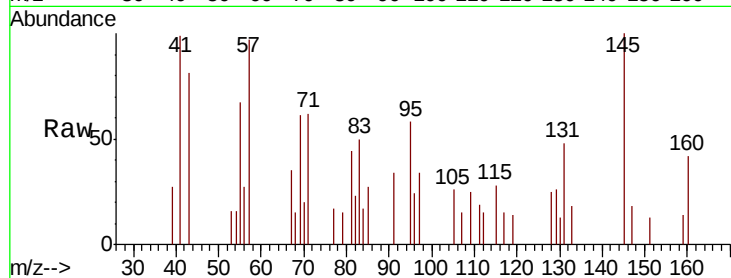




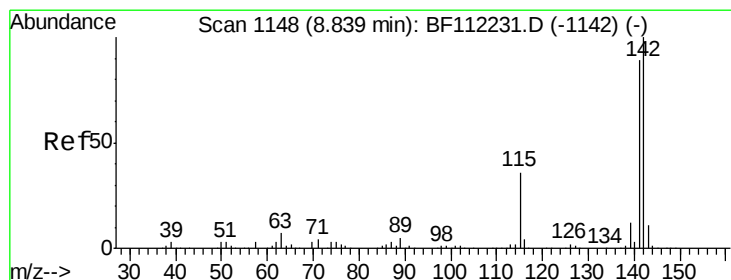
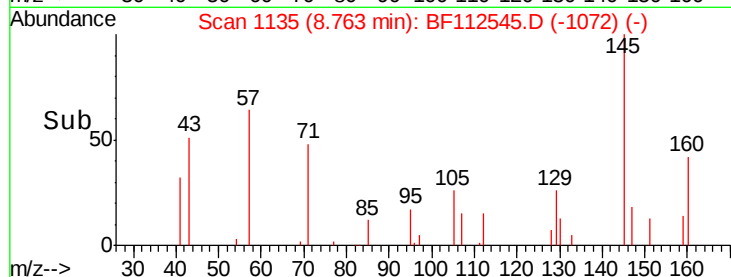
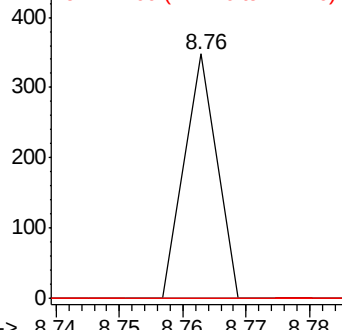
#36
4-Chloro-3-methylphenol
Concen: 0.021 ng
RT: 8.76 min Scan# 1135
Delta R.T. 0.07 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

Tgt Ion:107 Resp: 123
Ion Ratio Lower Upper
107 100
144 0.0 22.2 33.2#
142 0.0 67.7 101.5#

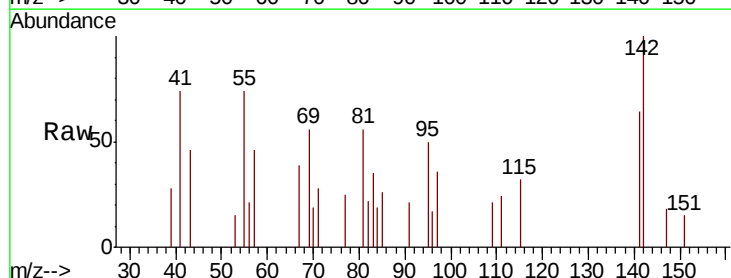


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

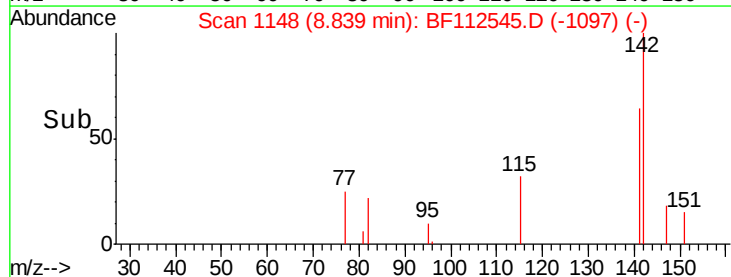
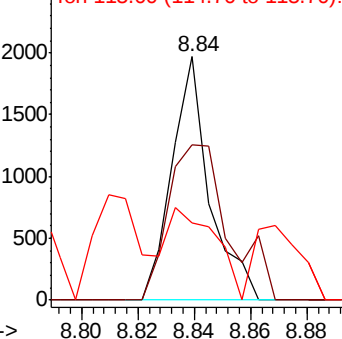


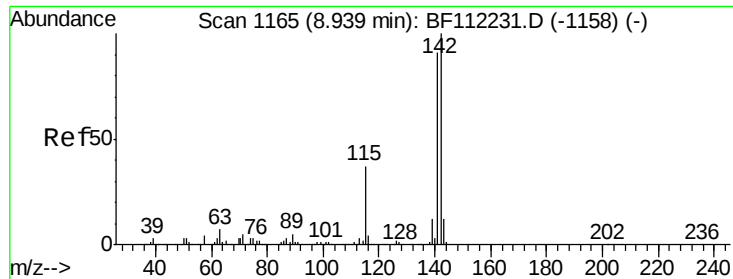
#37
2-Methylnaphthalene
Concen: 0.148 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:142 Resp: 1817
Ion Ratio Lower Upper
142 100
141 63.6 70.9 106.3#
115 32.0 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

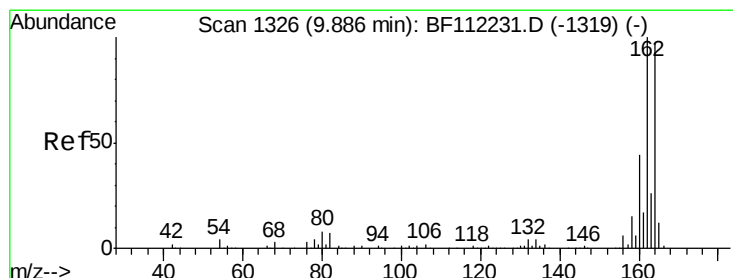
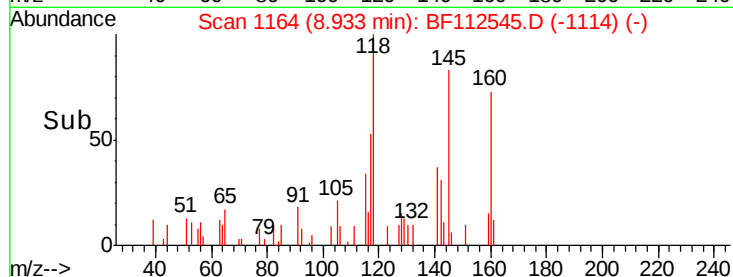
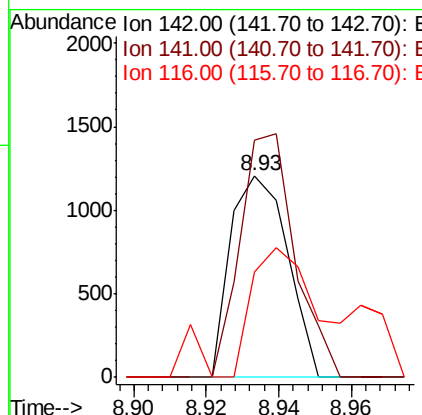
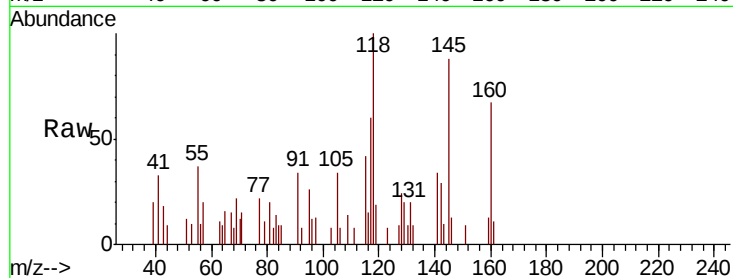




#38
 1-Methylnaphthalene
 Concen: 0.112 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

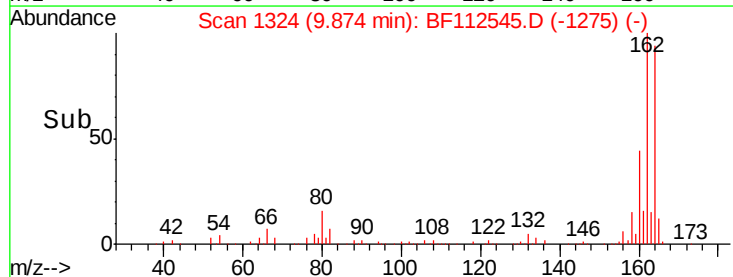
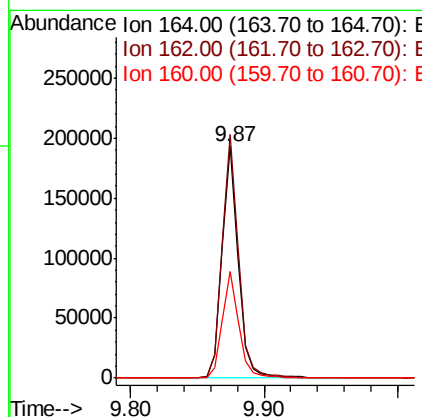
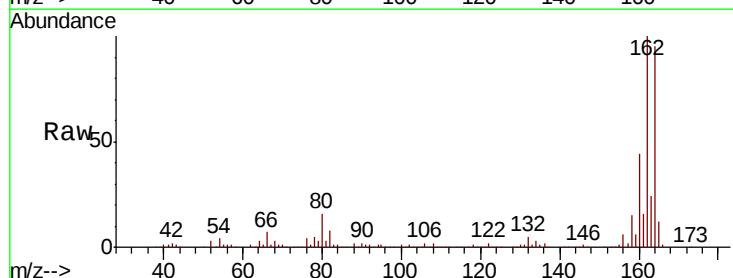
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

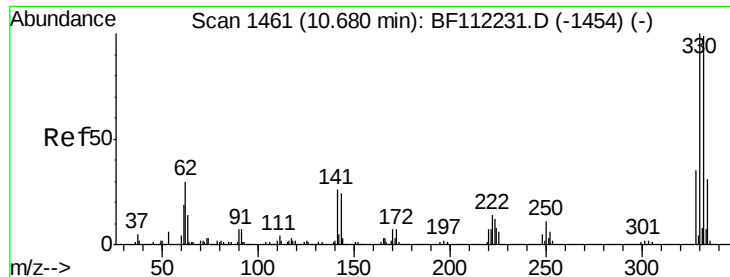
Tgt Ion:142 Resp: 1318
 Ion Ratio Lower Upper
 142 100
 141 117.9 72.6 108.8#
 116 52.5 2.8 4.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:164 Resp: 167422
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.2 123.4
 160 46.1 36.2 54.4

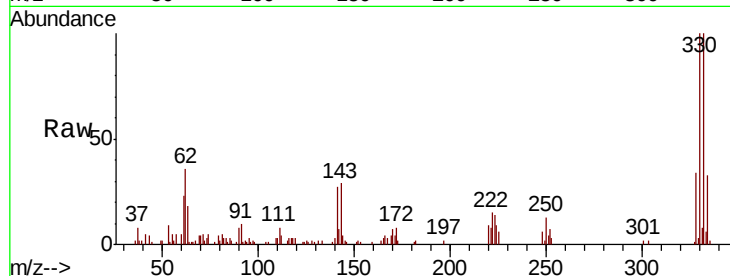




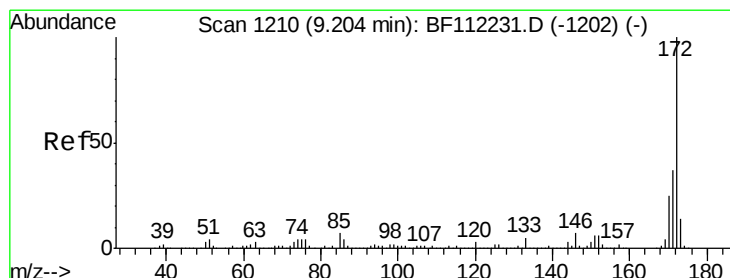
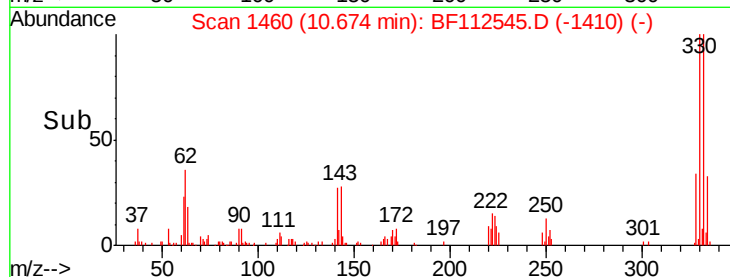
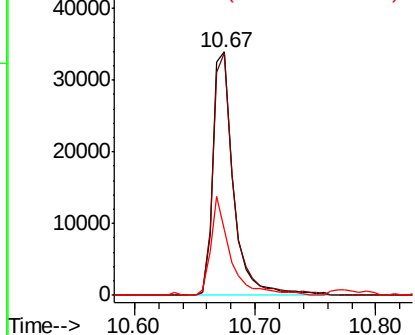
#42
 2,4,6-Tribromophenol
 Concen: 20.399 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

Tgt Ion:330 Resp: 39752
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 38.6 24.3 36.5#

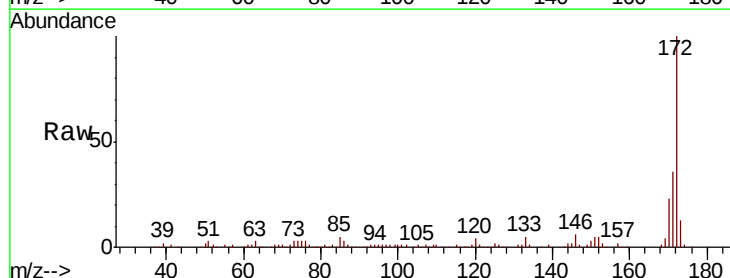


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

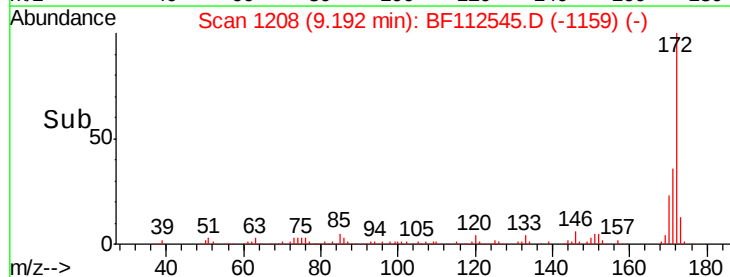
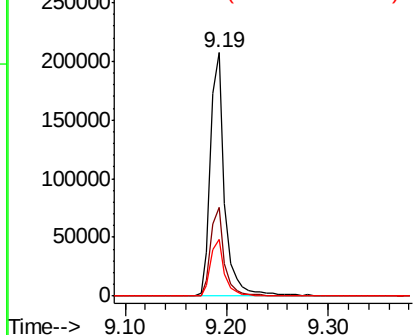


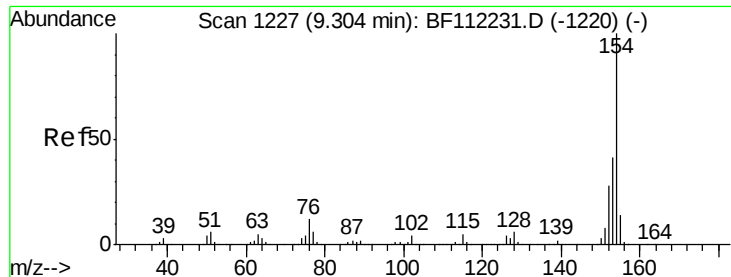
#45
 2-Fluorobiphenyl
 Concen: 17.190 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:172 Resp: 203483
 Ion Ratio Lower Upper
 172 100
 171 36.4 30.5 45.7
 170 23.3 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

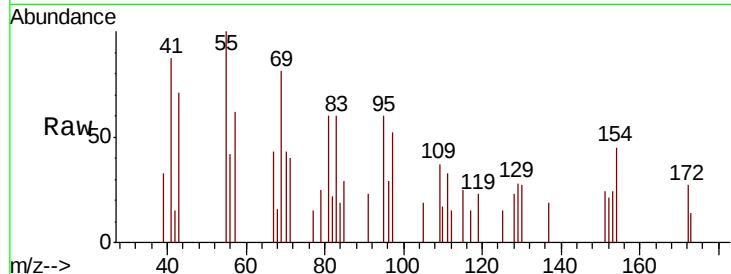




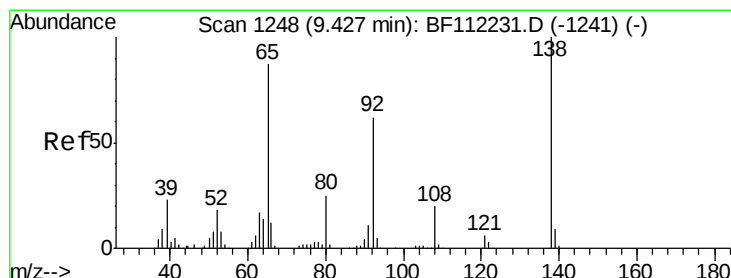
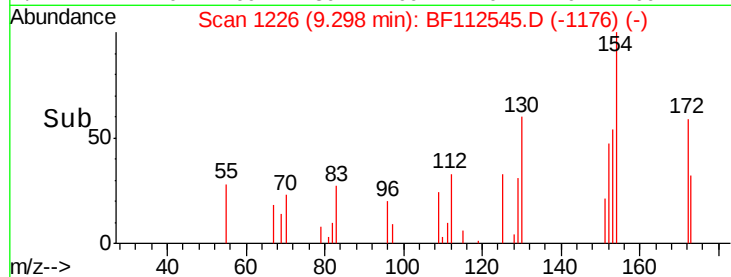
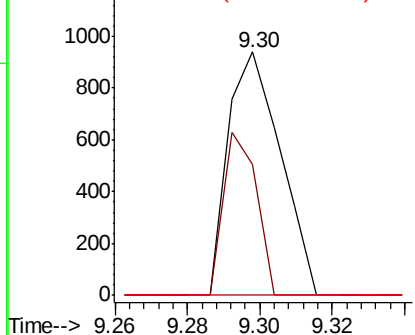
#46
 1,1'-Biphenyl
 Concen: 0.065 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

Tgt Ion: 154 Resp: 948
 Ion Ratio Lower Upper
 154 100
 153 54.0 21.5 61.5
 76 0.0 0.0 33.1

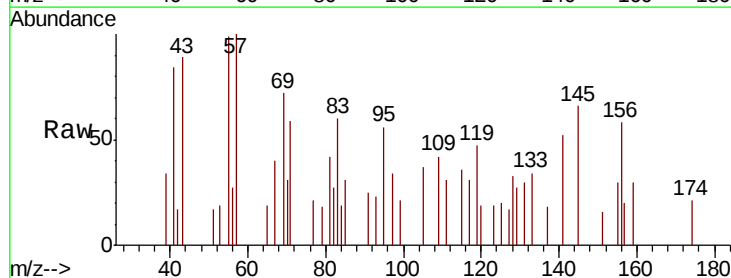


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

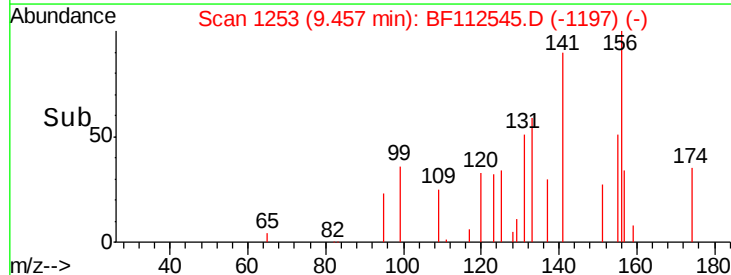
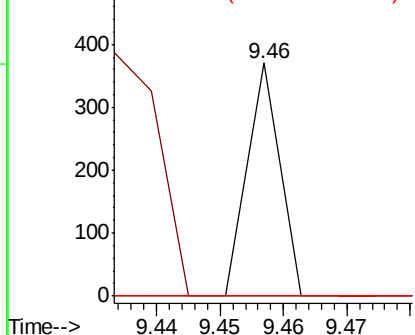


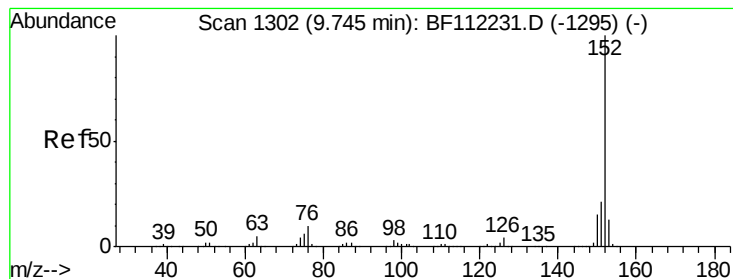
#48
 2-Nitroaniline
 Concen: 0.042 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. 0.03 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion: 65 Resp: 131
 Ion Ratio Lower Upper
 65 100
 92 0.0 60.4 90.6#
 138 0.0 104.4 156.6#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.073 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

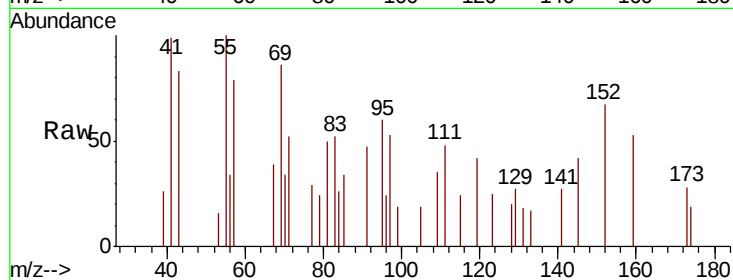
Tgt Ion:152 Resp: 1215

Ion Ratio Lower Upper

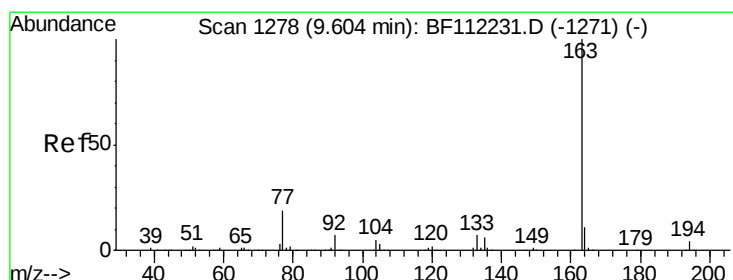
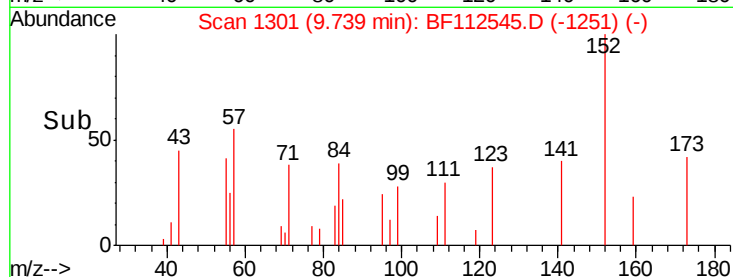
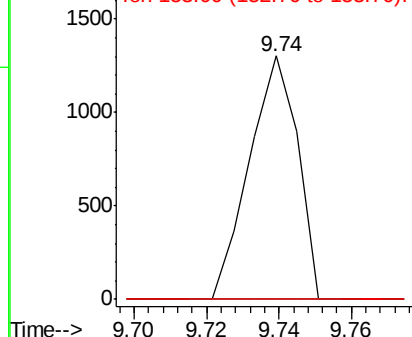
152 100

151 0.0 17.0 25.6#

153 0.0 11.2 16.8#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.343 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

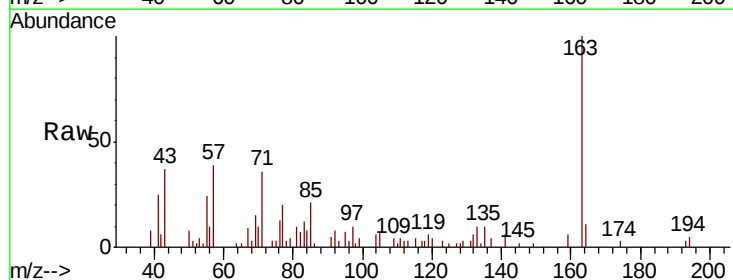
Tgt Ion:163 Resp: 17476

Ion Ratio Lower Upper

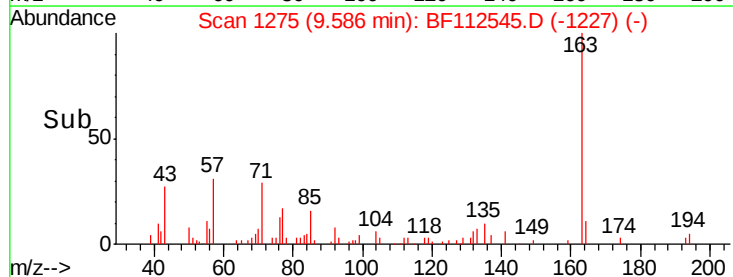
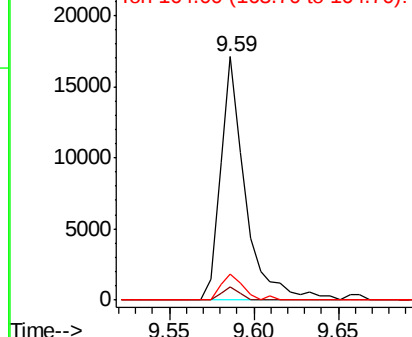
163 100

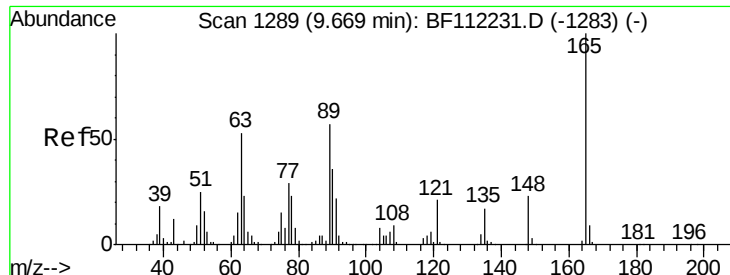
194 5.4 3.3 4.9#

164 10.7 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

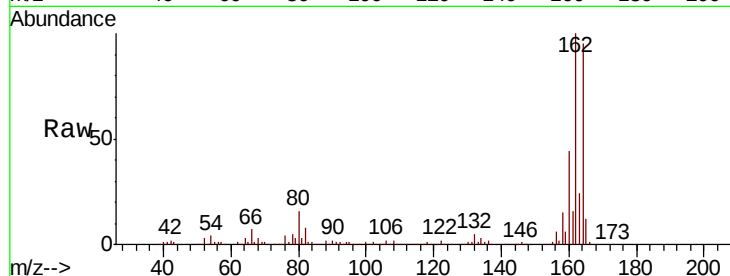




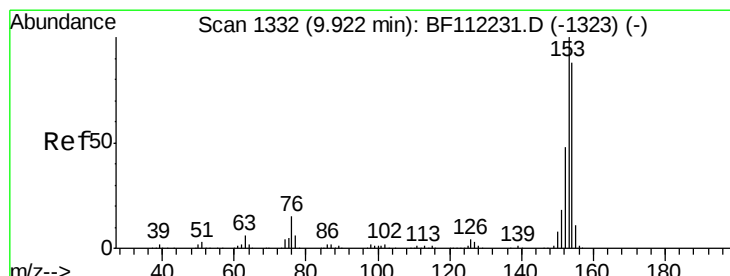
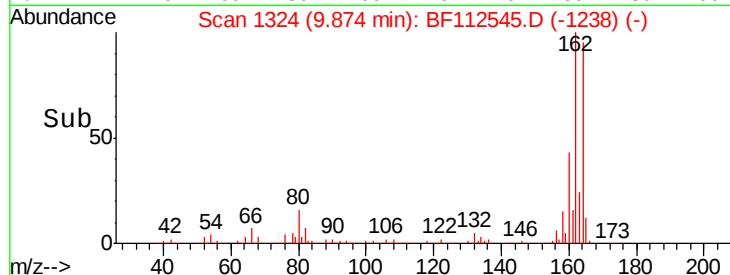
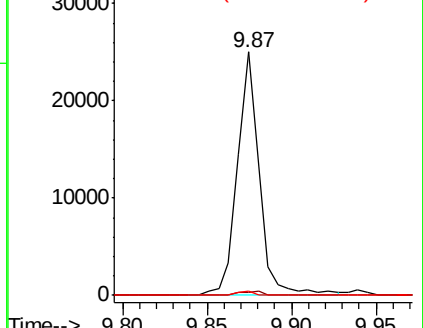
#51
 2,6-Dinitrotoluene
 Concen: 7.761 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

Tgt Ion:165 Resp: 22611
 Ion Ratio Lower Upper
 165 100
 63 1.3 33.8 50.8#
 89 1.9 36.9 55.3#

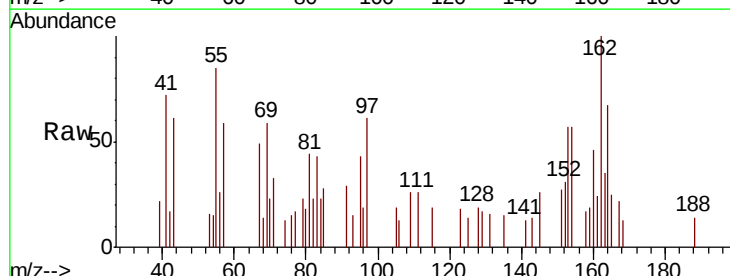


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

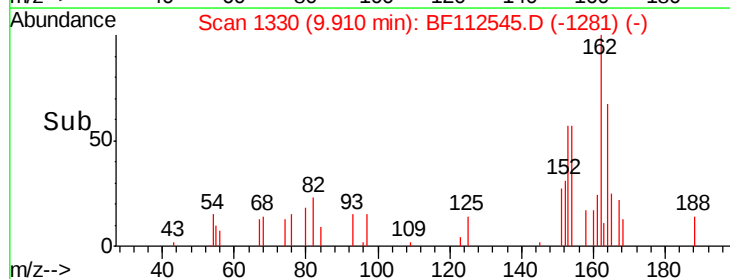
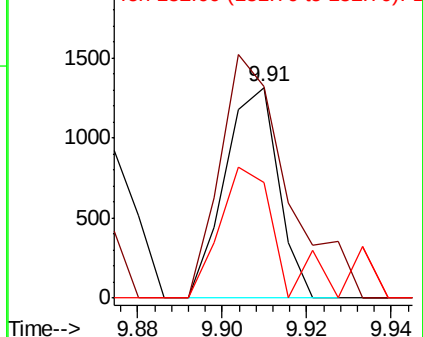


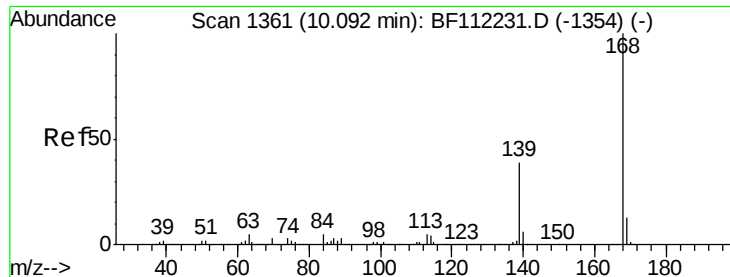
#52
 Acenaphthene
 Concen: 0.117 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:154 Resp: 1161
 Ion Ratio Lower Upper
 154 100
 153 100.2 89.8 134.6
 152 54.6 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#55

Dibenzenofuran

Concen: 0.087 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

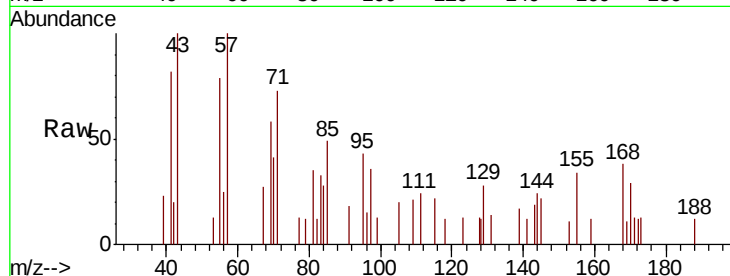
Tgt Ion:168 Resp: 1319

Ion Ratio Lower Upper

168 100

139 44.8 29.2 43.8#

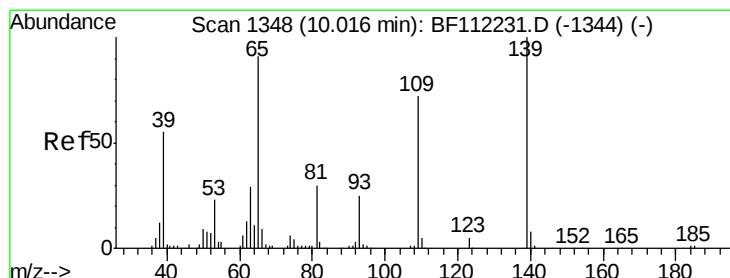
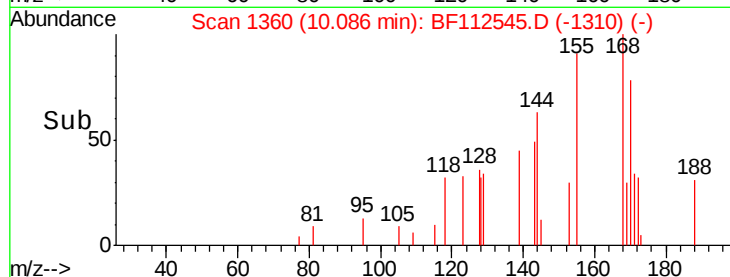
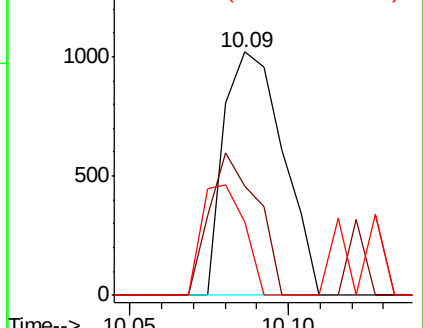
169 30.1 11.4 17.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 0.372 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.06 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

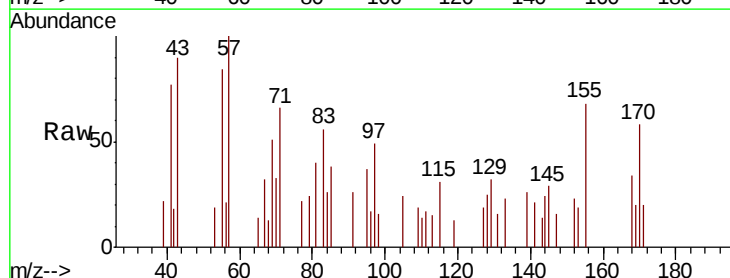
Tgt Ion:139 Resp: 620

Ion Ratio Lower Upper

139 100

109 72.6 42.8 82.8

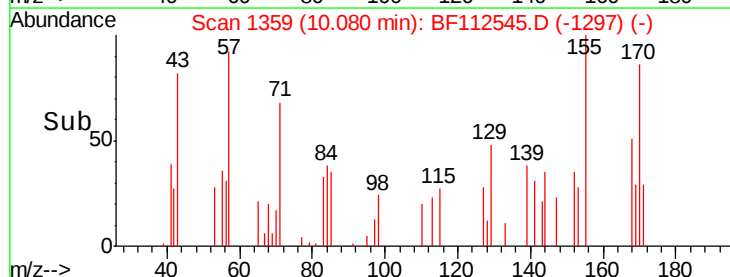
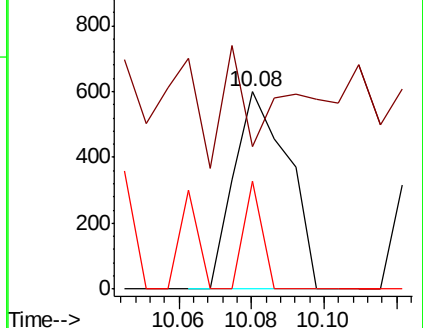
65 55.0 66.1 106.1#

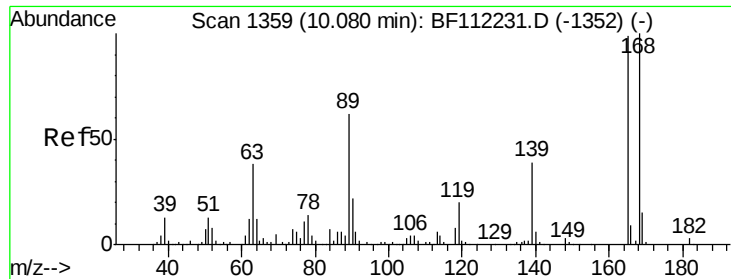


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.097 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

Tgt Ion:165 Resp: 22611

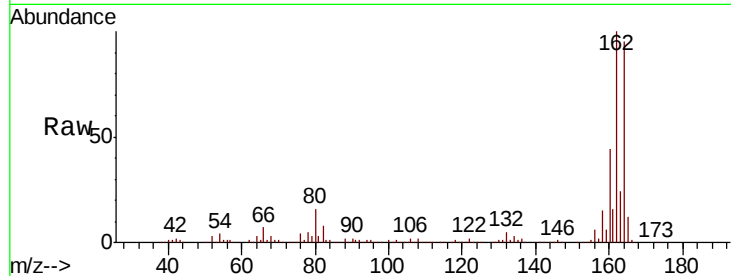
Ion Ratio Lower Upper

165 100

63 1.3 27.9 41.9#

89 1.9 47.9 71.9#

182 0.0 2.2 3.4#

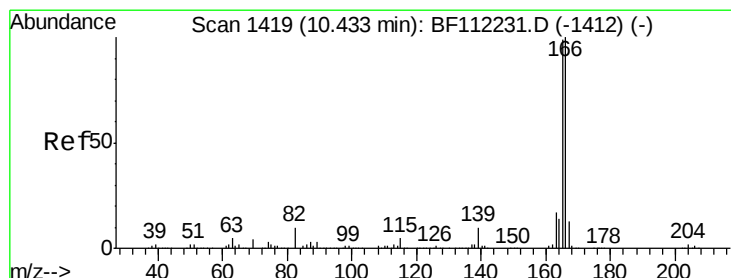
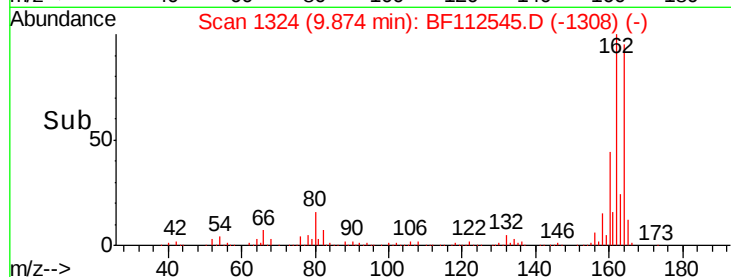
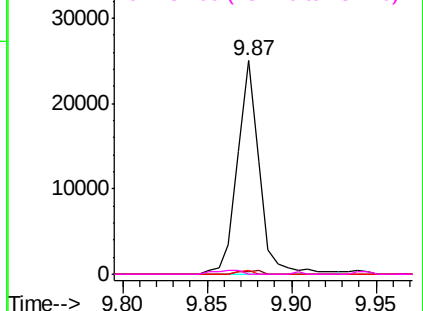


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 0.165 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

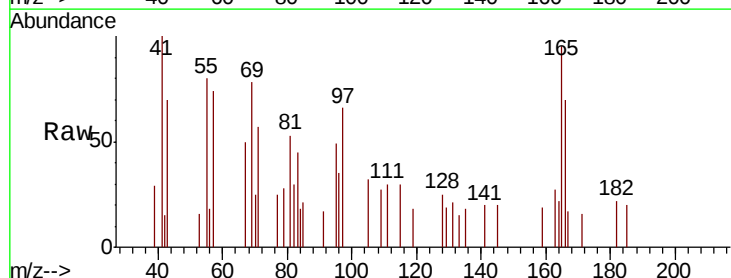
Tgt Ion:166 Resp: 1880

Ion Ratio Lower Upper

166 100

165 136.3 77.1 115.7#

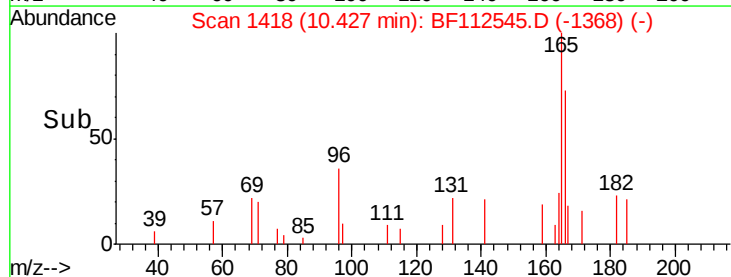
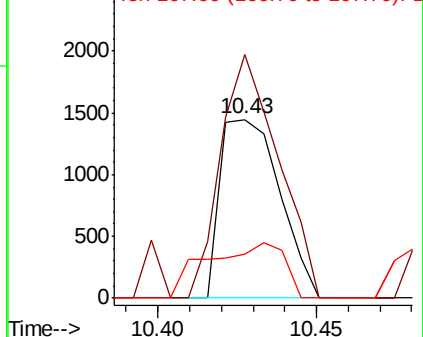
167 24.9 11.3 16.9#

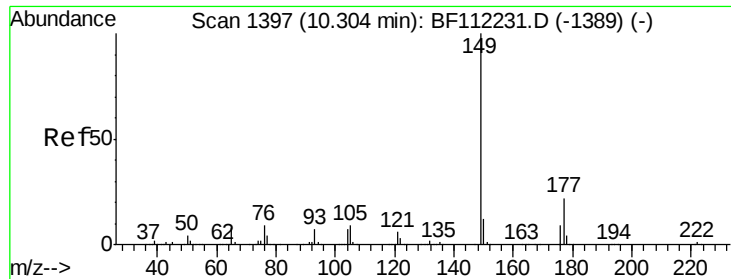


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

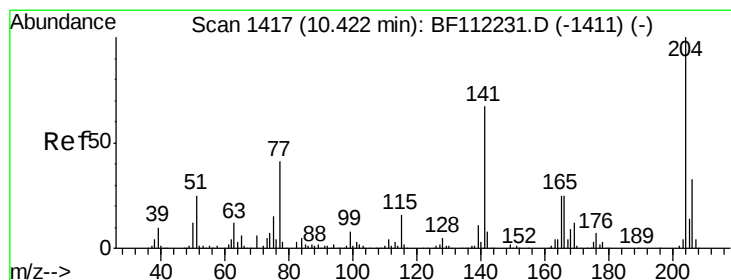
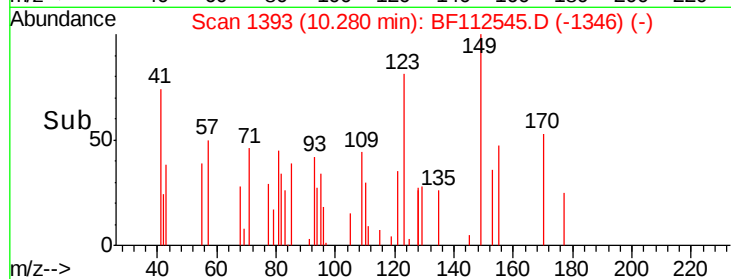
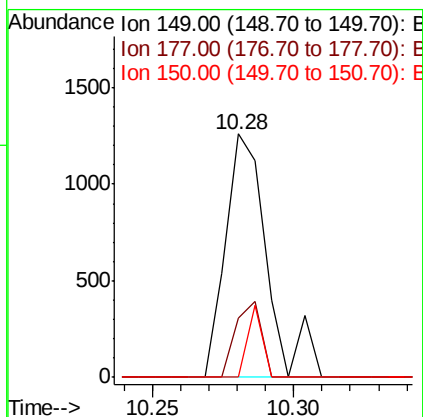
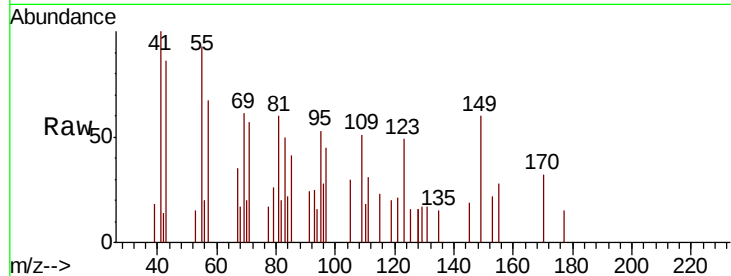




#60
Diethylphthalate
Concen: 0.100 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.02 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

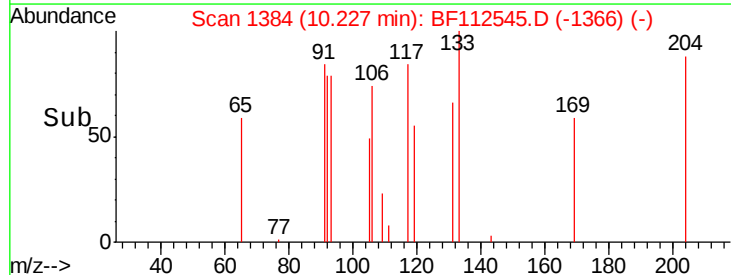
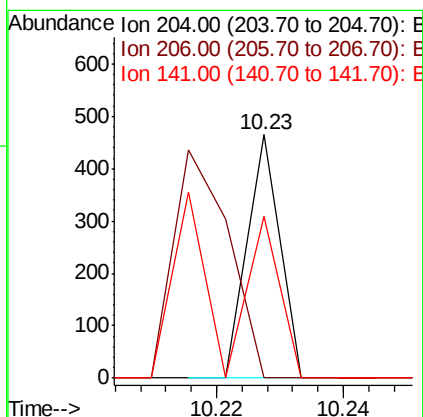
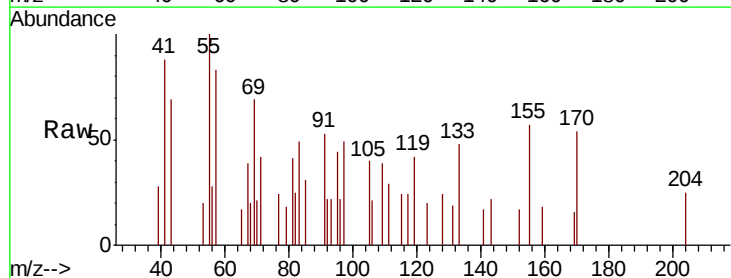
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

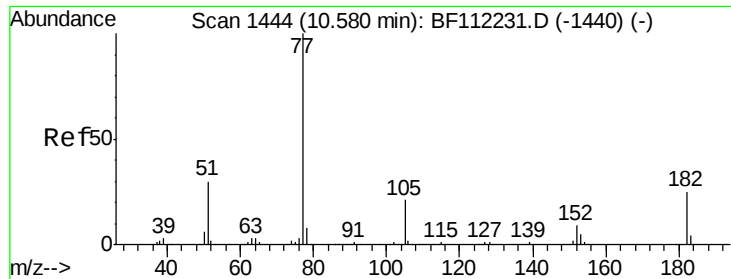
Tgt Ion:149 Resp: 1285
Ion Ratio Lower Upper
149 100
177 24.5 18.2 27.2
150 0.0 10.4 15.6#



#61
4-Chlorophenyl-phenylether
Concen: 0.027 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.19 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:204 Resp: 164
Ion Ratio Lower Upper
204 100
206 0.0 26.5 39.7#
141 66.7 45.9 68.9

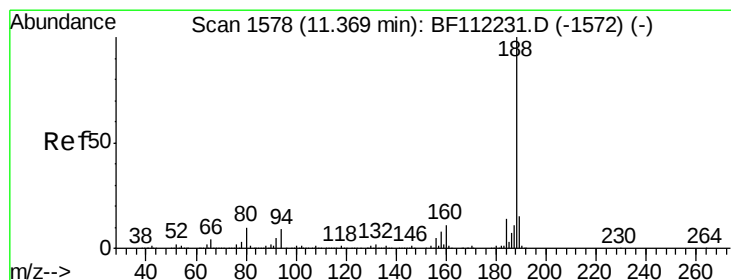
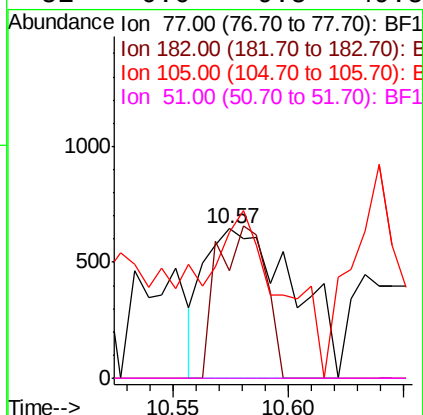
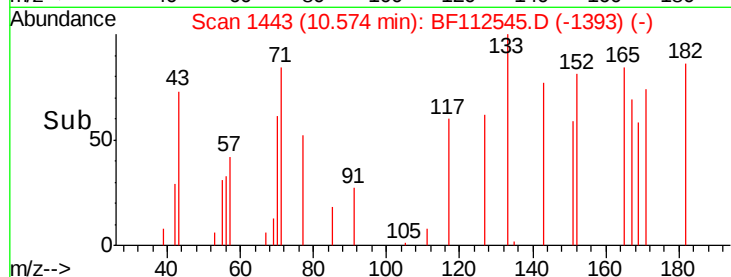
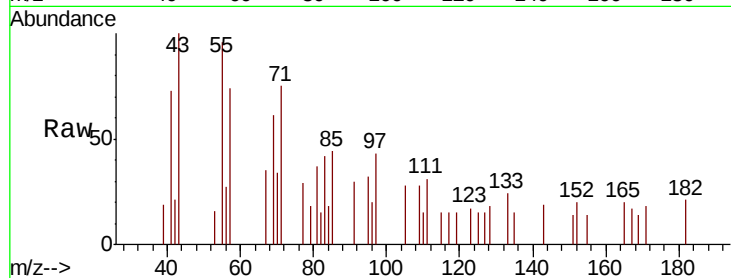




#63
Azobenzene
Concen: 0.154 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

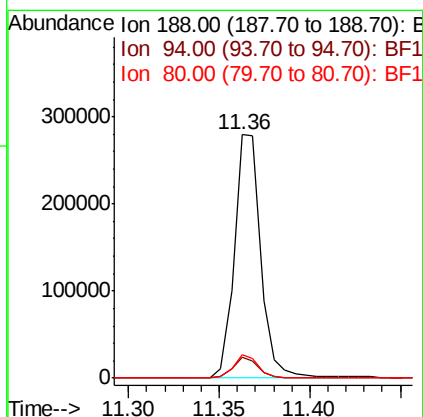
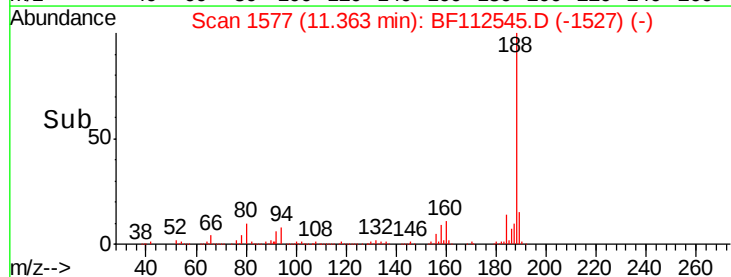
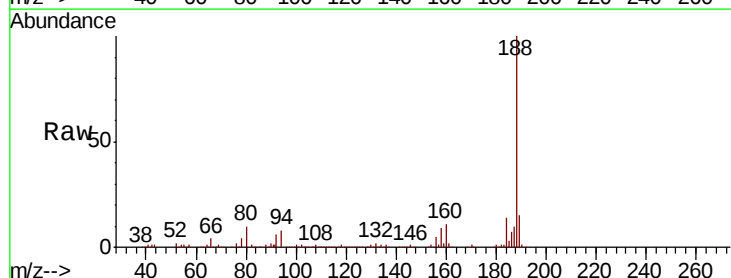
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

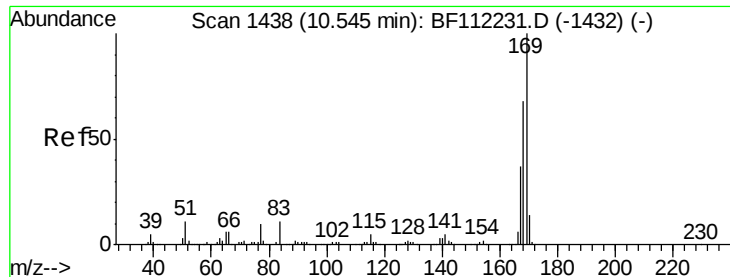
Tgt Ion: 77 Resp: 1744
Ion Ratio Lower Upper
77 100
182 71.9 5.7 45.7#
105 97.7 1.4 41.4#
51 0.0 9.5 49.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion: 188 Resp: 282685
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 9.7 8.9 13.3

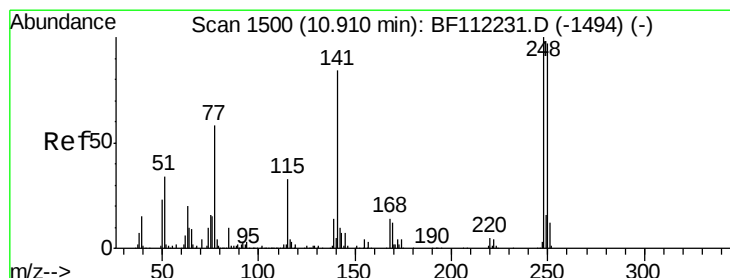
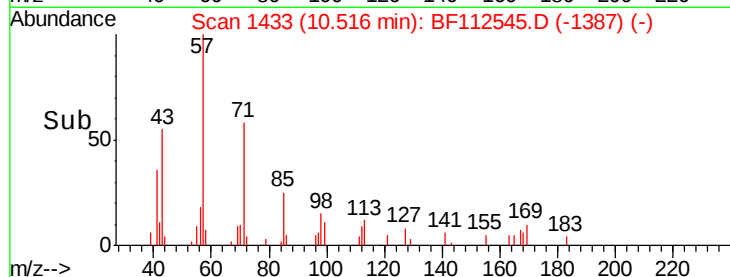
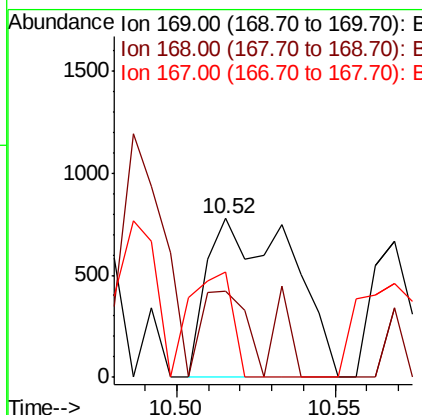
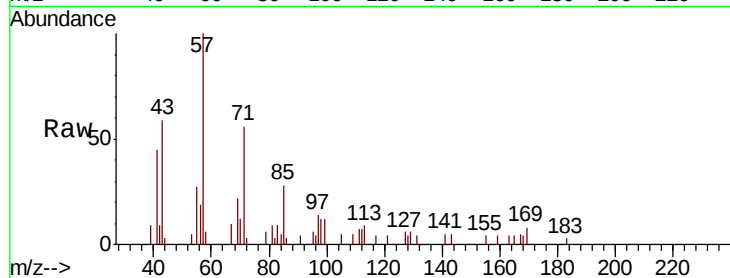




#66
 n-Nitrosodiphenylamine
 Concen: 0.152 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.03 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

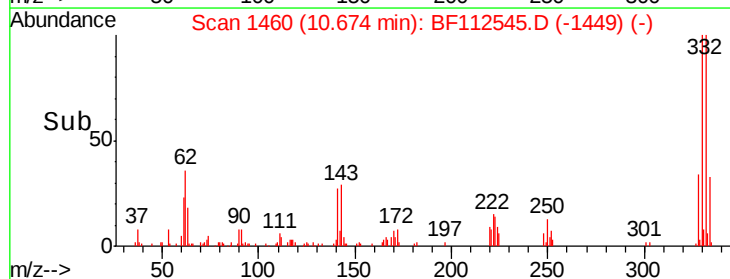
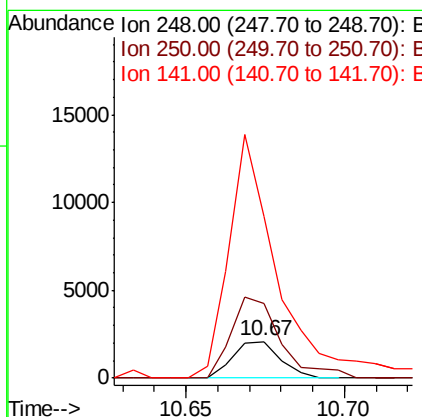
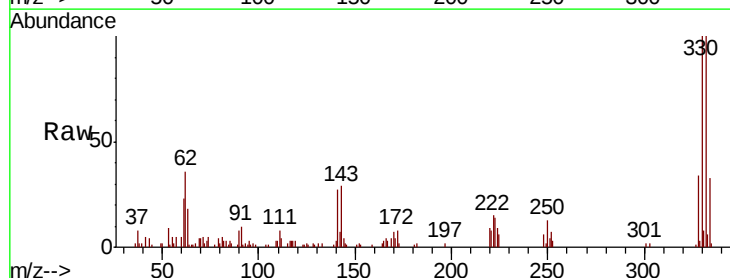
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

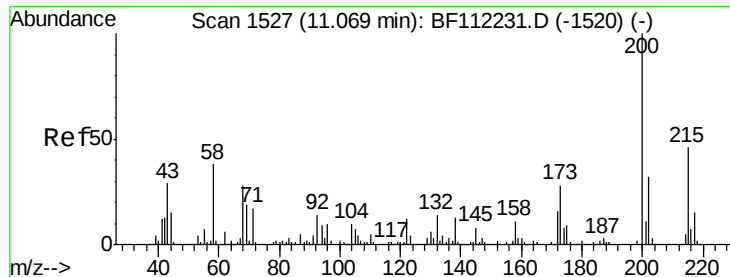
Tgt Ion:169 Resp: 1447
 Ion Ratio Lower Upper
 169 100
 168 54.3 53.9 80.9
 167 66.0 28.9 43.3#



#67
 4-Bromophenyl-phenylether
 Concen: 0.646 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:248 Resp: 2149
 Ion Ratio Lower Upper
 248 100
 250 203.8 79.7 119.5#
 141 440.7 60.3 90.5#





#69

Atrazine

Concen: 0.035 ng

RT: 11.23 min Scan# 1554

Delta R.T. 0.16 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

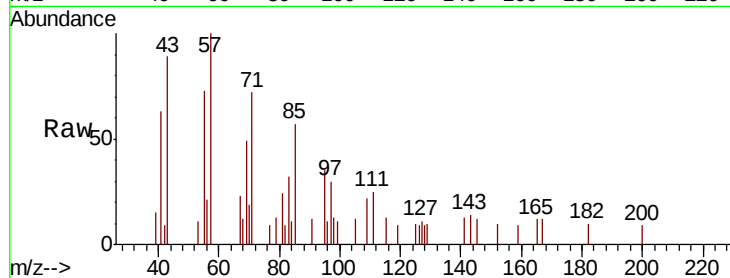
Tgt Ion:200 Resp: 107

Ion Ratio Lower Upper

200 100

173 0.0 7.1 47.1#

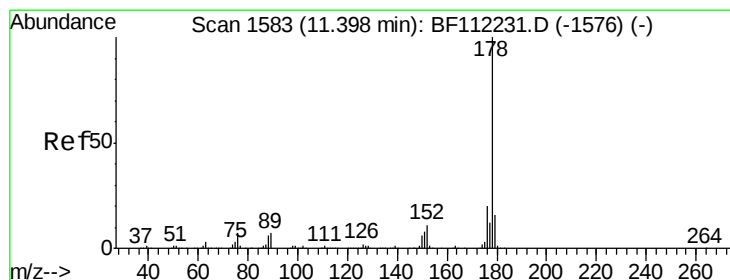
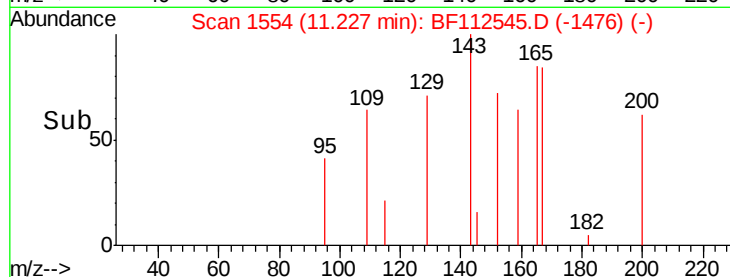
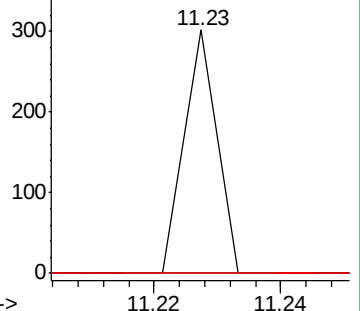
215 0.0 30.4 70.4#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 1.181 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

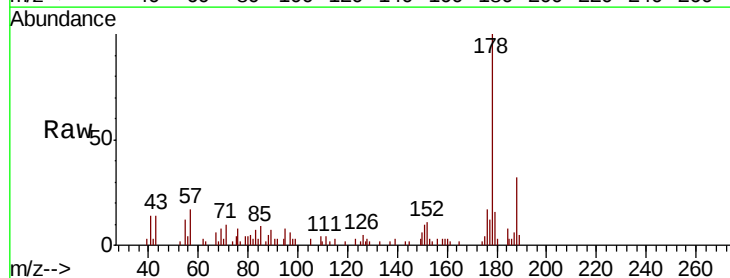
Tgt Ion:178 Resp: 17360

Ion Ratio Lower Upper

178 100

176 17.2 16.3 24.5

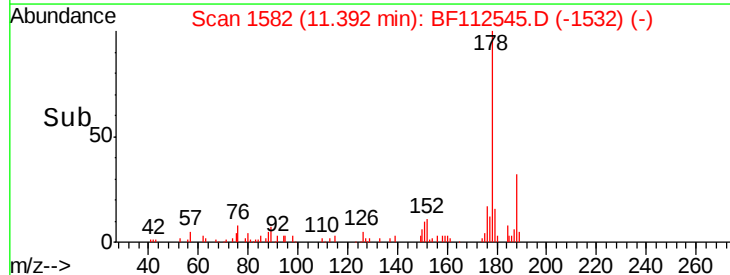
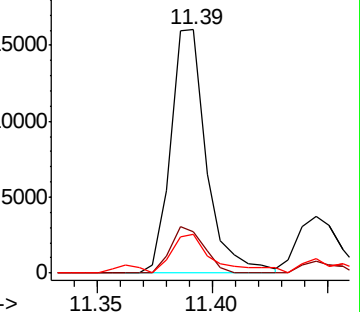
179 15.9 13.0 19.4

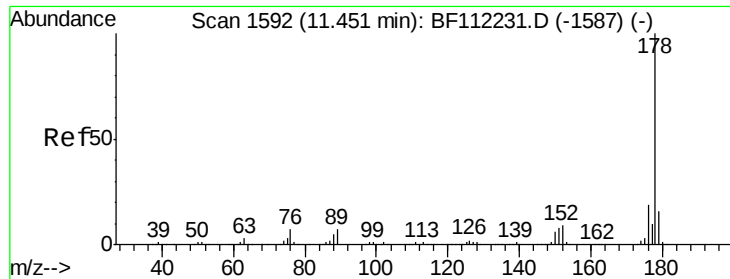


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

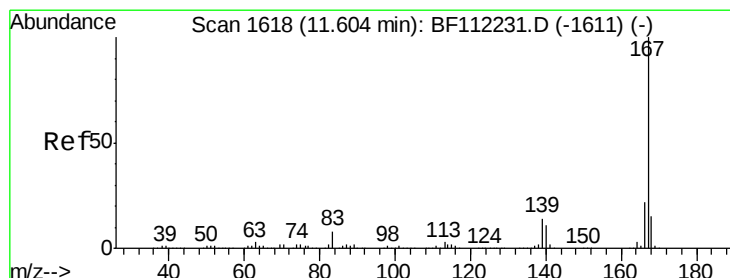
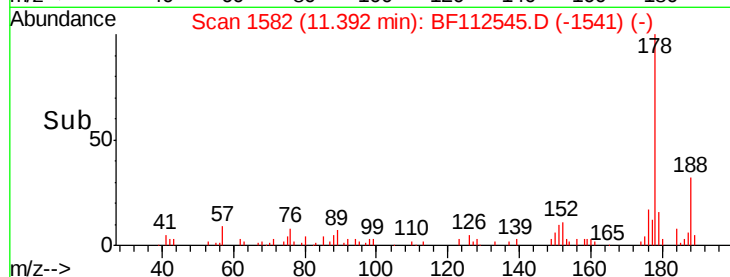
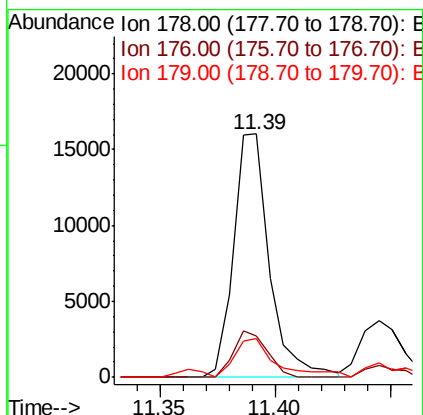
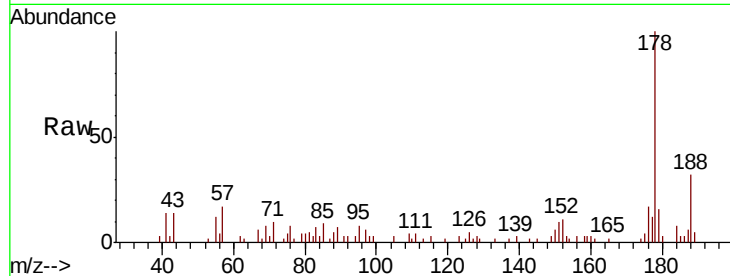




#72
 Anthracene
 Concen: 1.186 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.06 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

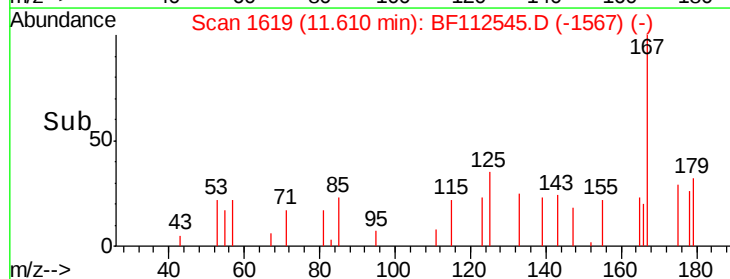
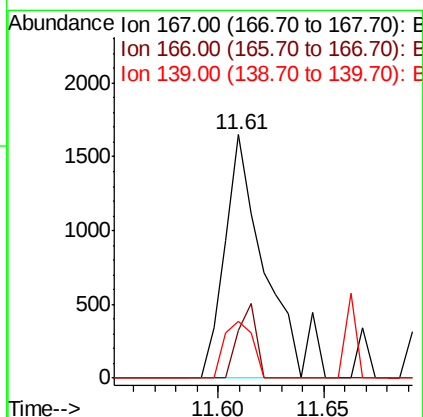
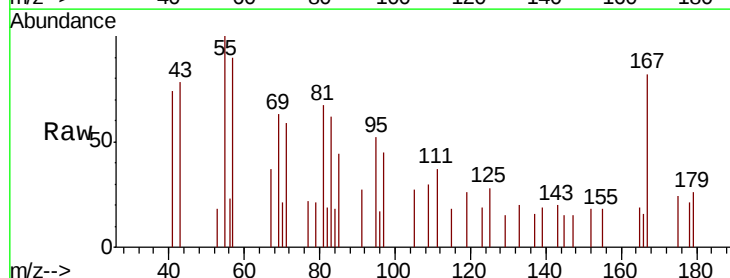
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

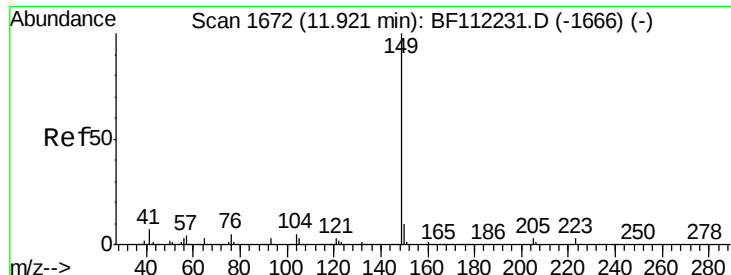
Tgt Ion:178 Resp: 17360
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.5 23.3
 179 15.9 12.8 19.2



#73
 Carbazole
 Concen: 0.151 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:167 Resp: 2185
 Ion Ratio Lower Upper
 167 100
 166 19.5 17.9 26.9
 139 23.3 10.2 15.2#

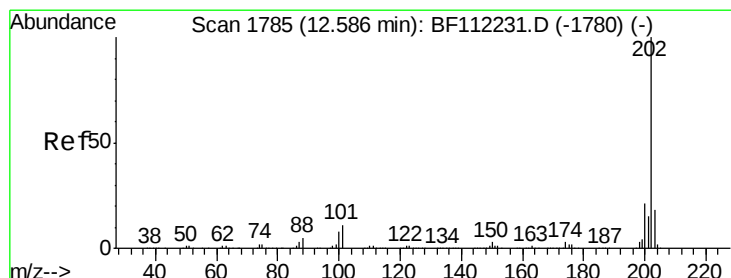
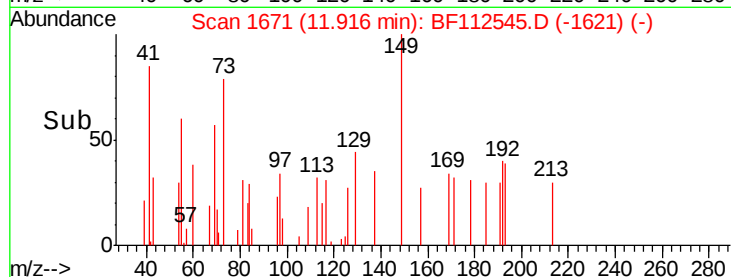
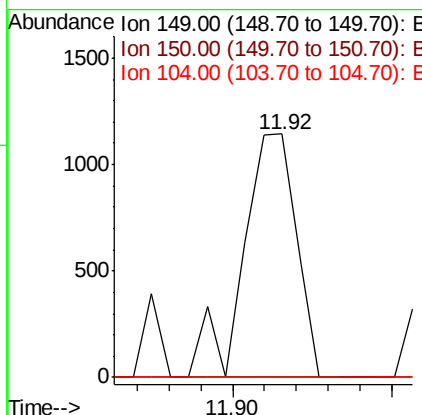
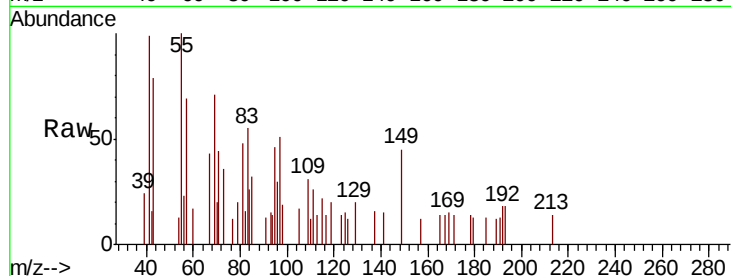




#74
Di-n-butylphthalate
Concen: 0.074 ng
RT: 11.92 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

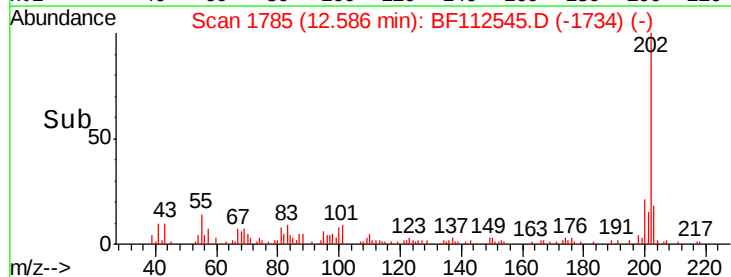
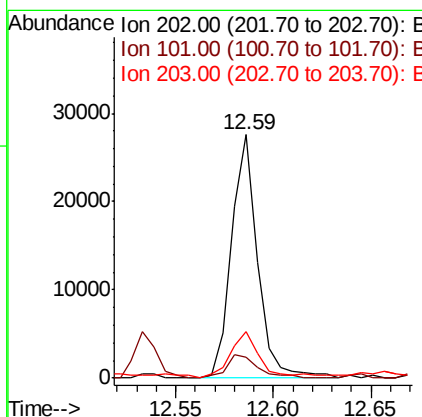
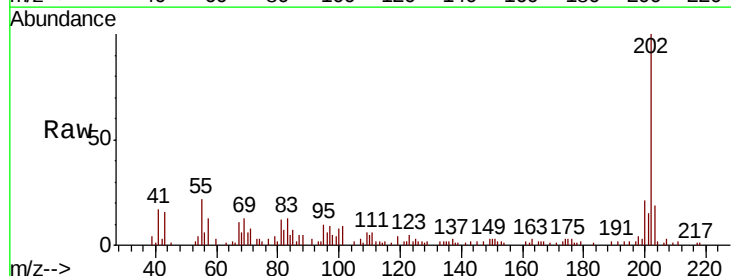
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

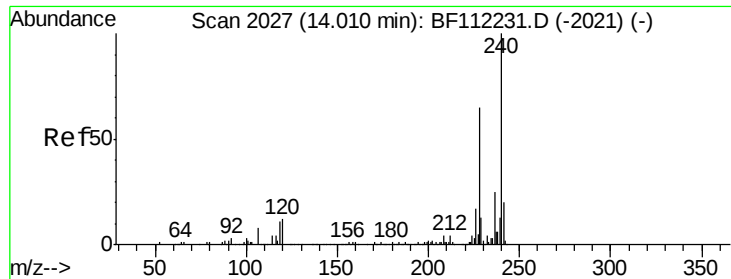
Tgt Ion:149 Resp: 1334
Ion Ratio Lower Upper
149 100
150 0.0 8.1 12.1#
104 0.0 3.9 5.9#



#75
Fluoranthene
Concen: 1.624 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:202 Resp: 25600
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.8
203 19.3 0.0 38.4

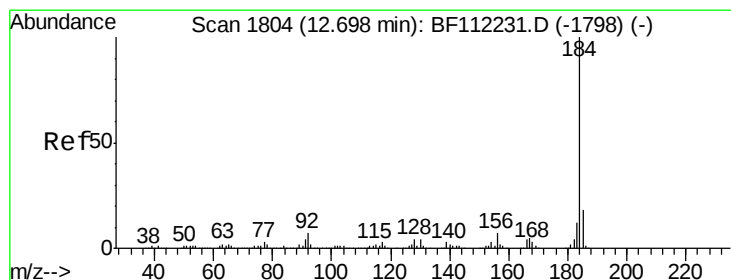
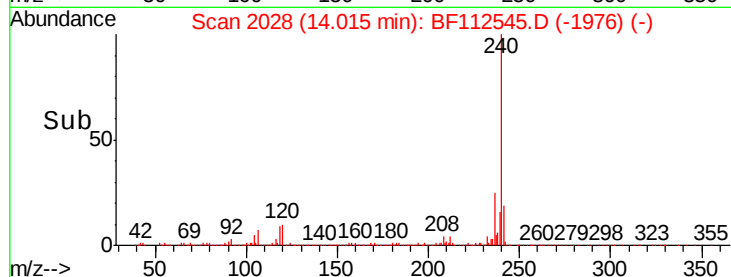
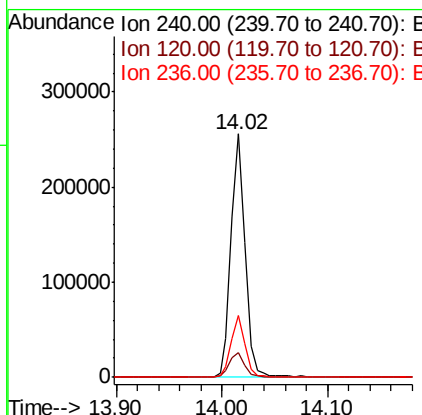
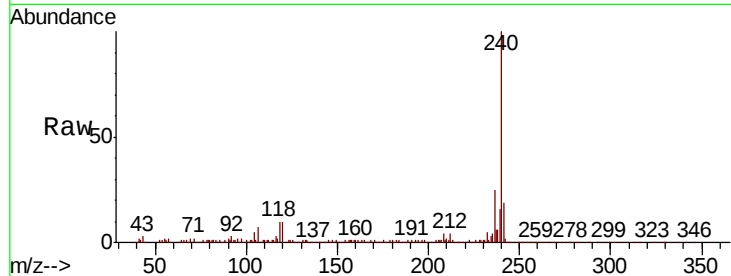




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

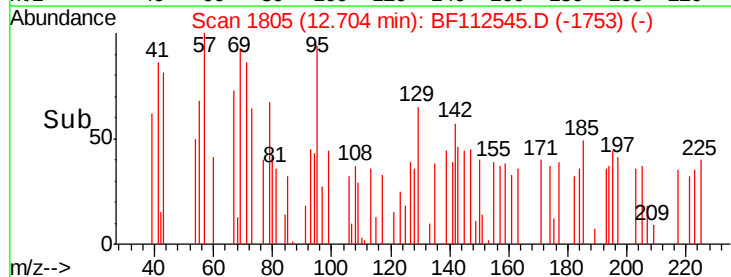
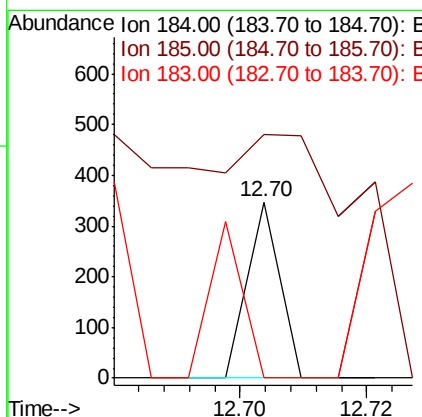
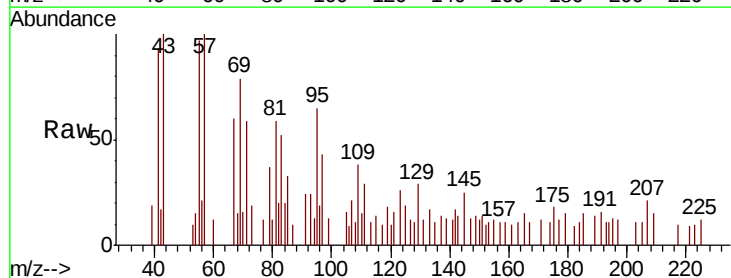
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

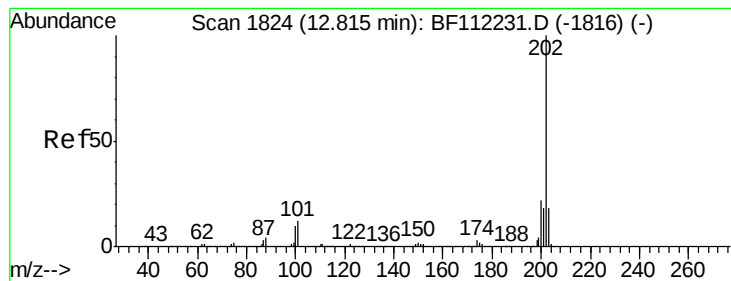
Tgt Ion:240 Resp: 236989
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.6
236 25.4 20.7 31.1



#77
Benzidine
Concen: 0.019 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:184 Resp: 122
Ion Ratio Lower Upper
184 100
185 138.3 13.9 20.9#
183 0.0 10.0 15.0#





#78

Pyrene

Concen: 1.595 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

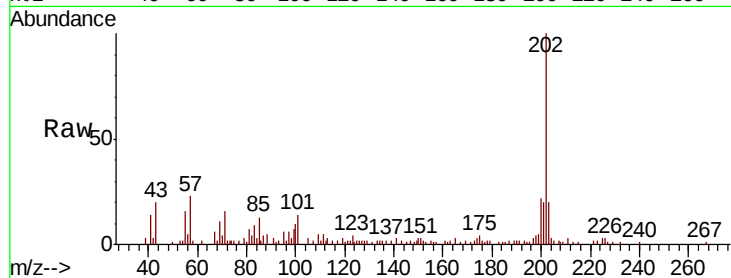
Tgt Ion: 202 Resp: 26166

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

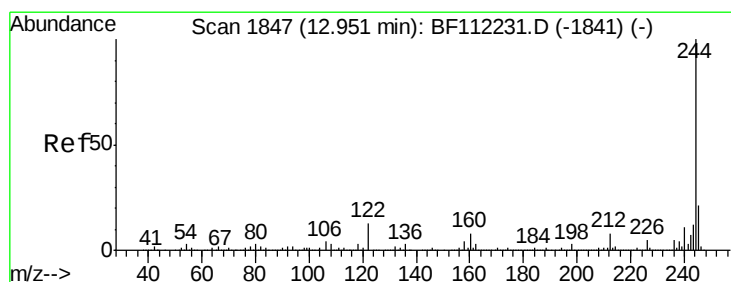
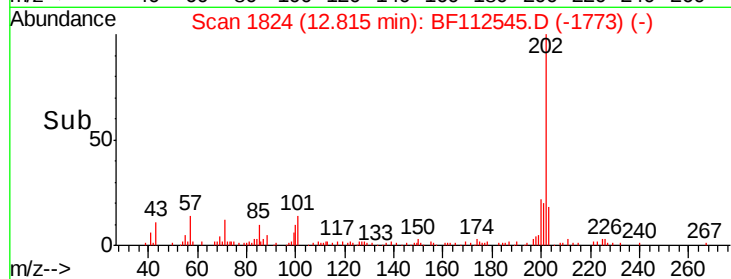
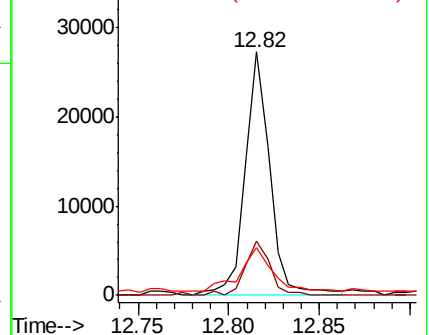
203 19.6 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.380 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

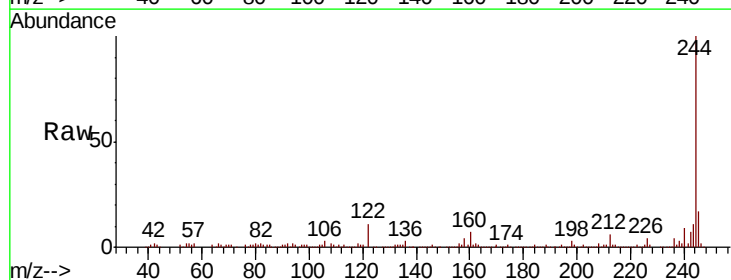
Tgt Ion: 244 Resp: 180936

Ion Ratio Lower Upper

244 100

212 6.0 5.9 8.9

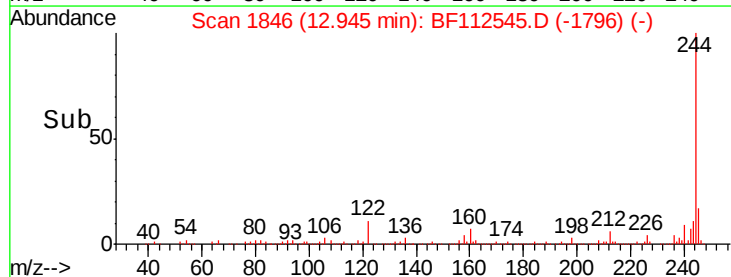
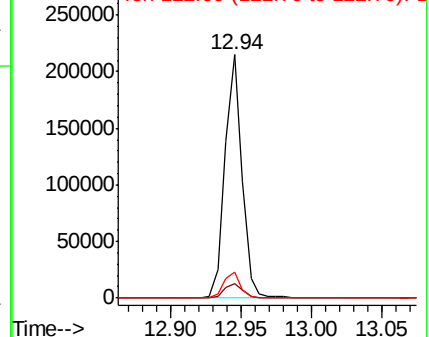
122 10.6 9.8 14.6

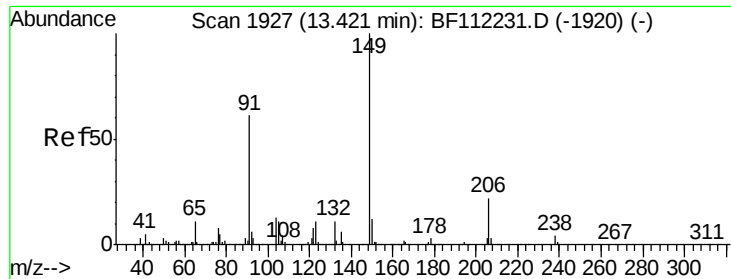


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

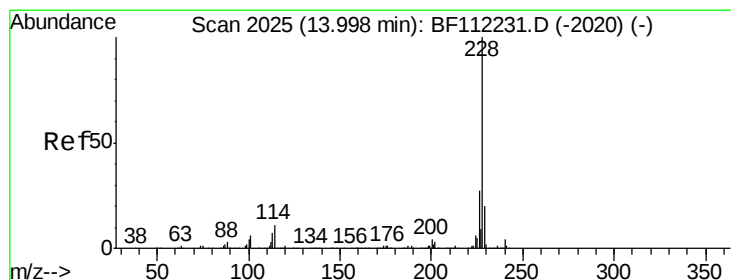
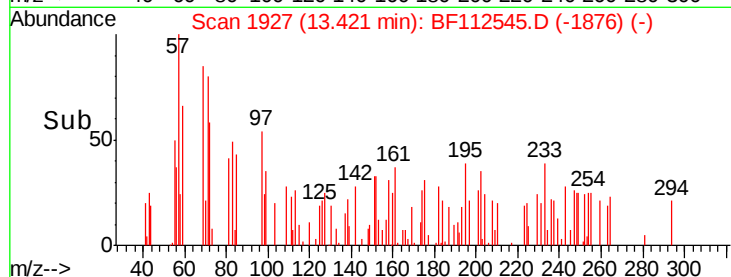
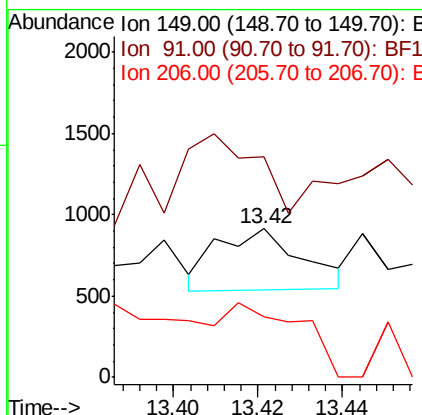
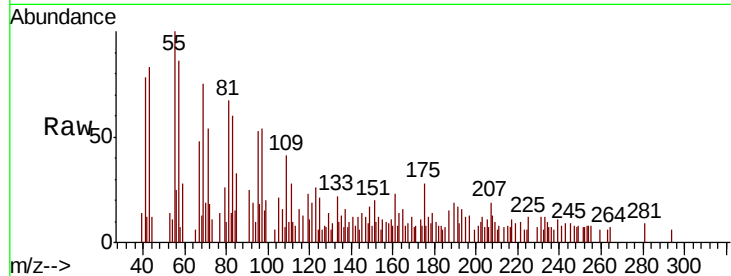




#80
Butylbenzylphthalate
Concen: 0.067 ng
RT: 13.42 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

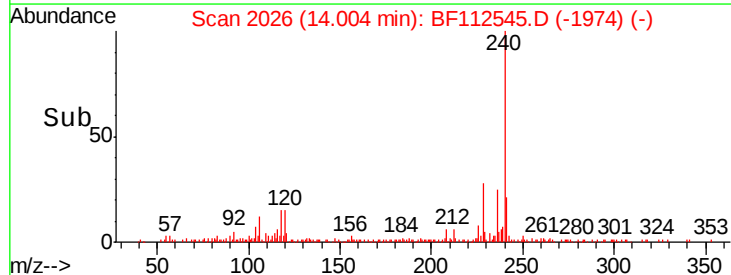
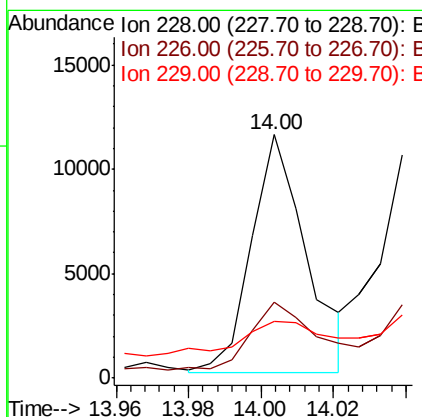
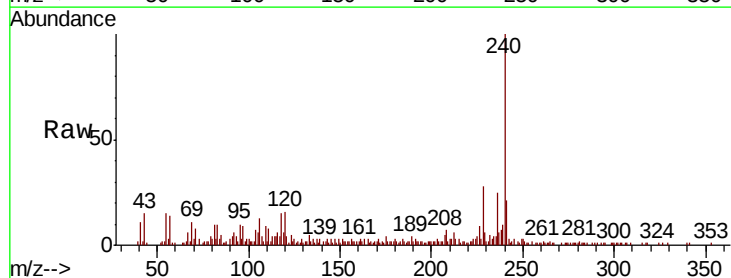
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

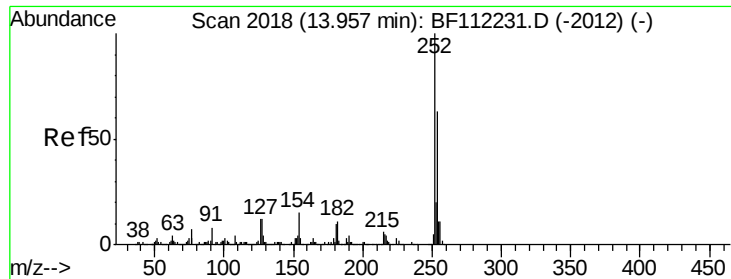
Tgt Ion:149 Resp: 528
Ion Ratio Lower Upper
149 100
91 148.6 50.3 75.5#
206 40.8 18.2 27.4#



#81
Benzo(a)anthracene
Concen: 0.862 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion:228 Resp: 12009
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 23.1 16.5 24.7

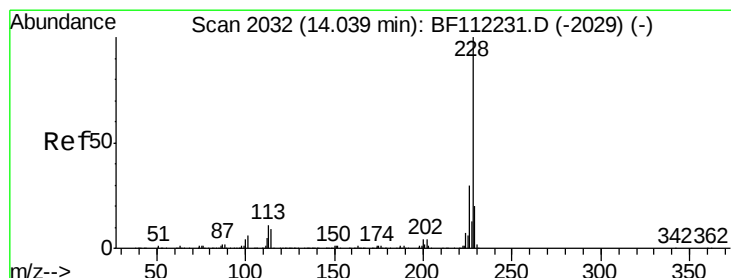
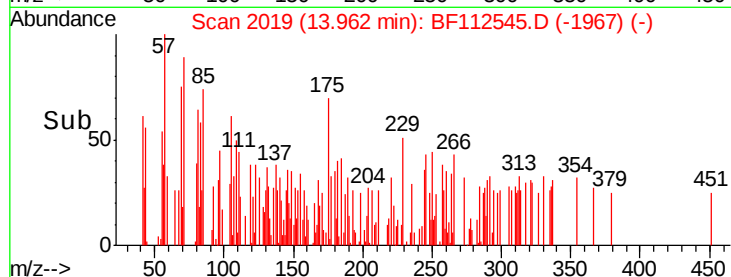
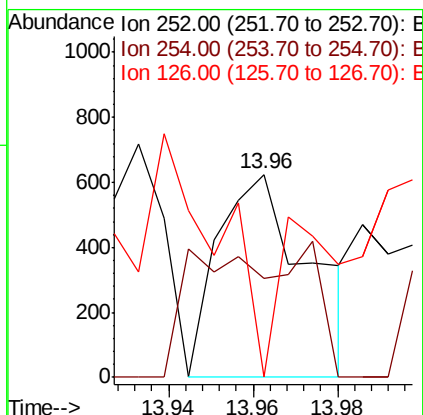
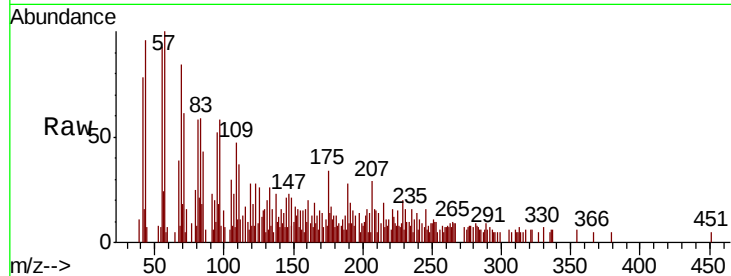




#82
 3,3'-Dichlorobenzidine
 Concen: 0.178 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

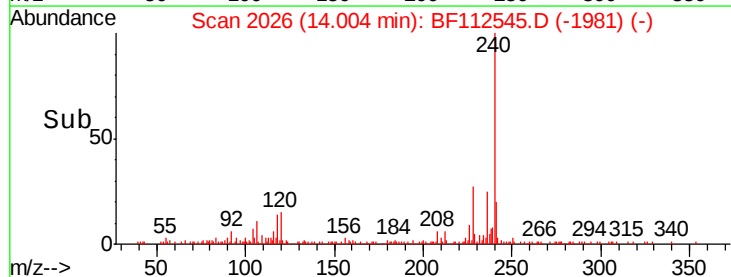
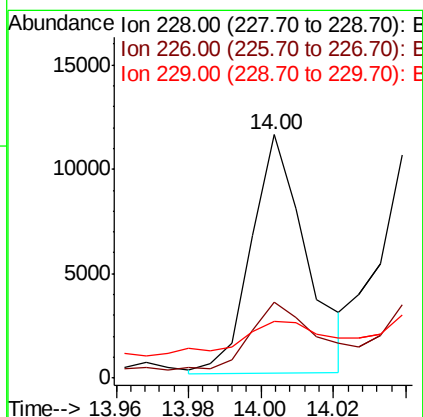
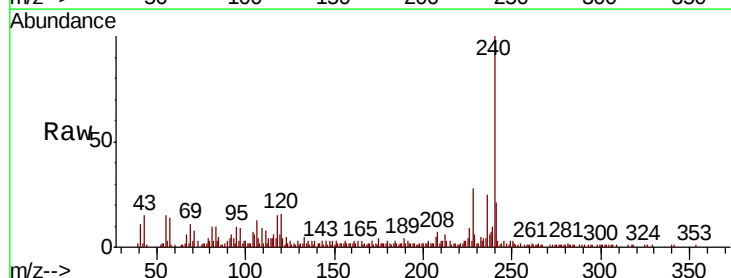
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

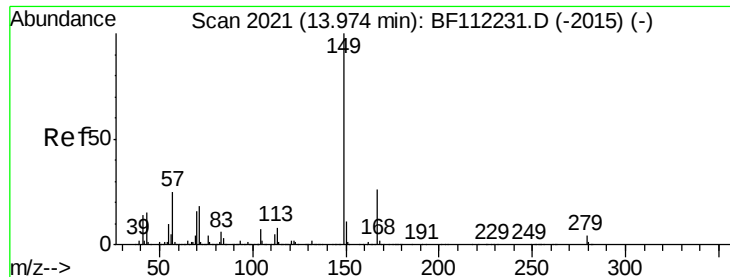
Tgt Ion:252 Resp: 930
 Ion Ratio Lower Upper
 252 100
 254 48.5 51.6 77.4#
 126 0.0 8.6 12.8#



#83
 Chrysene
 Concen: 0.906 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion:228 Resp: 12048
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.0 37.6
 229 23.1 16.6 24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

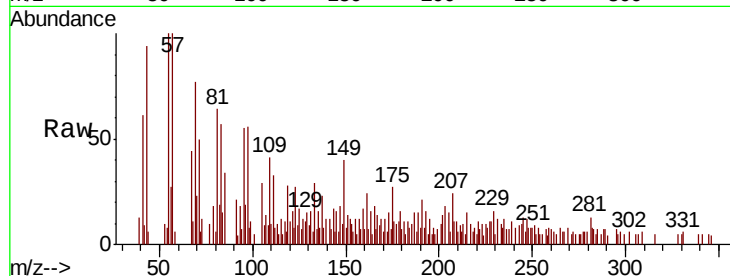
Tgt Ion:149 Resp: 1592

Ion Ratio Lower Upper

149 100

167 35.5 22.5 33.7#

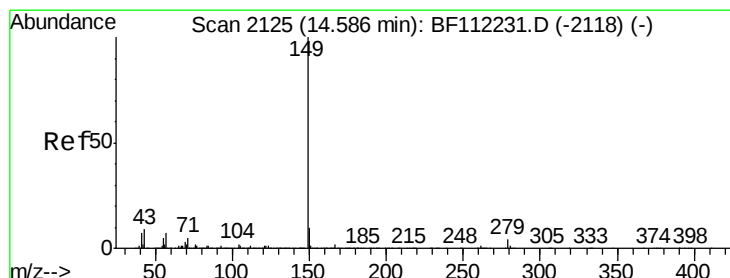
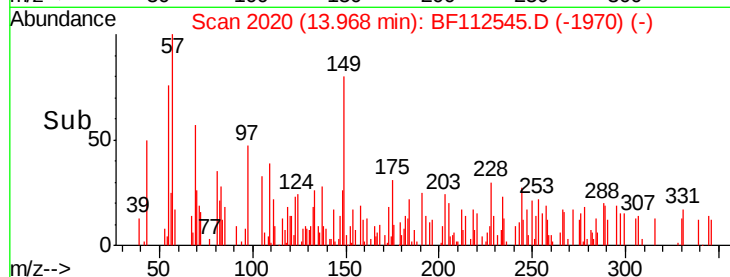
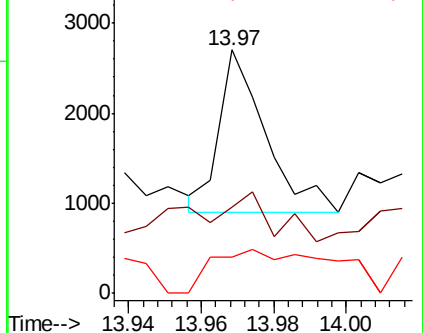
279 14.9 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.037 ng

RT: 14.62 min Scan# 2130

Delta R.T. 0.03 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

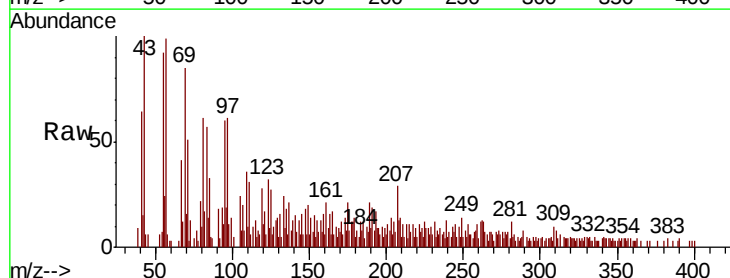
Tgt Ion:149 Resp: 643

Ion Ratio Lower Upper

149 100

167 30.5 1.3 1.9#

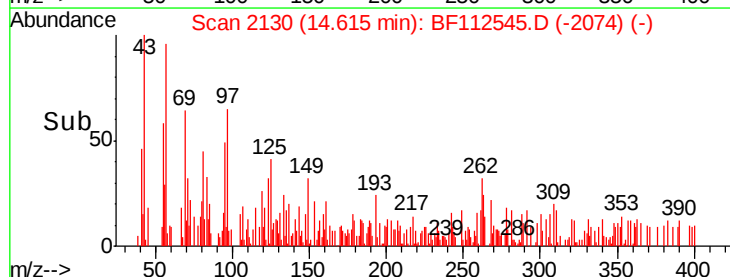
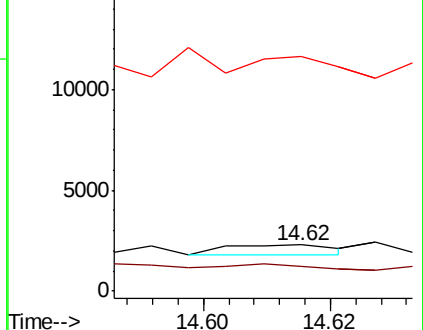
43 0.0 7.8 11.6#

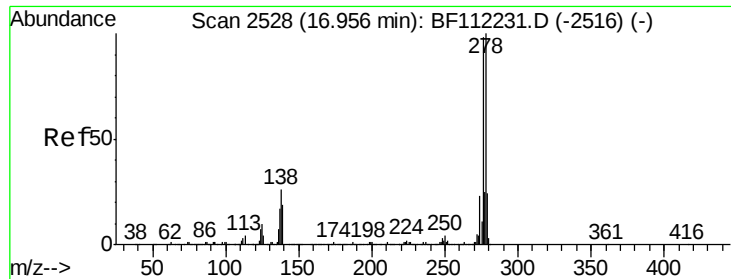


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

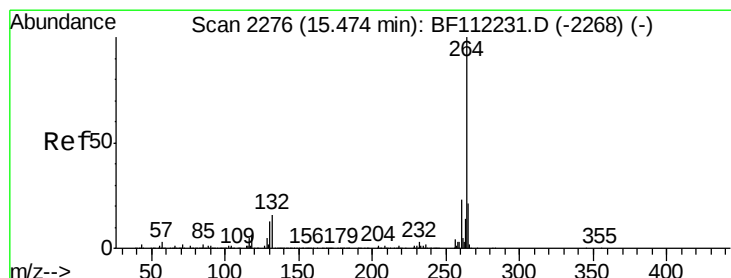
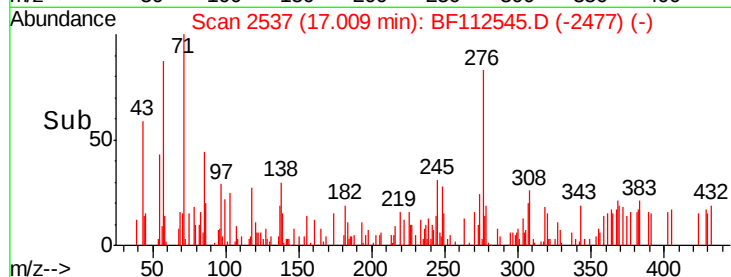
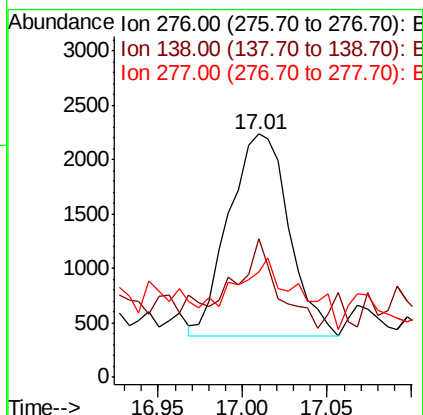
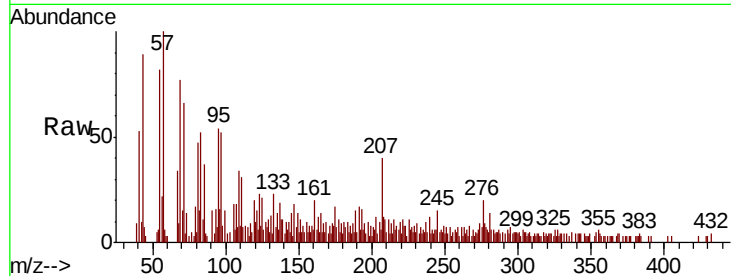




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.438 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.05 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

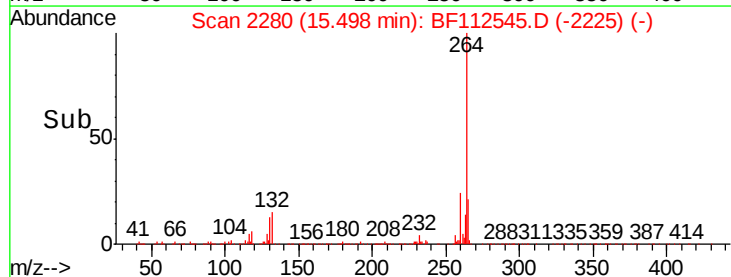
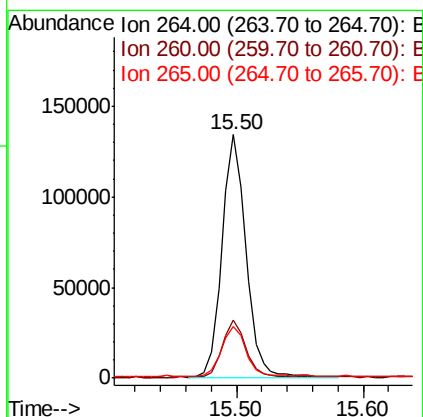
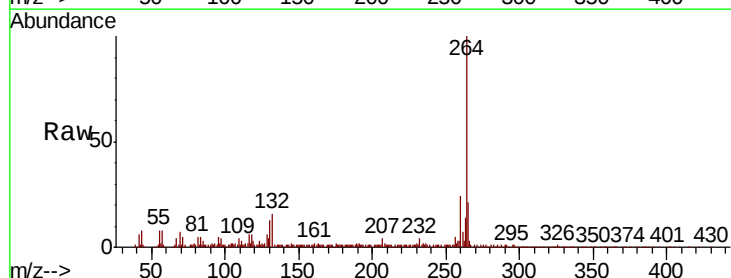
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-P

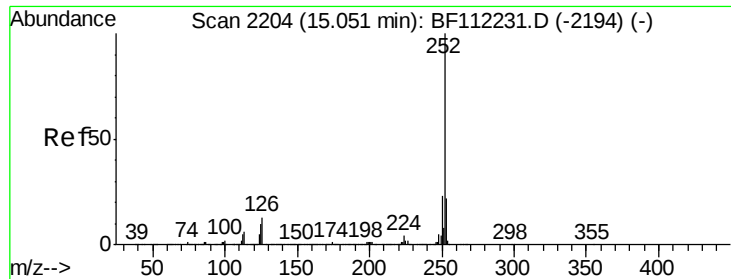
Tgt Ion: 276 Resp: 4618
 Ion Ratio Lower Upper
 276 100
 138 30.1 22.6 34.0
 277 38.7 20.3 30.5#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BF112545.D
 Acq: 13 Feb 2019 18:10

Tgt Ion: 264 Resp: 175013
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.2 27.2
 265 21.3 17.0 25.4

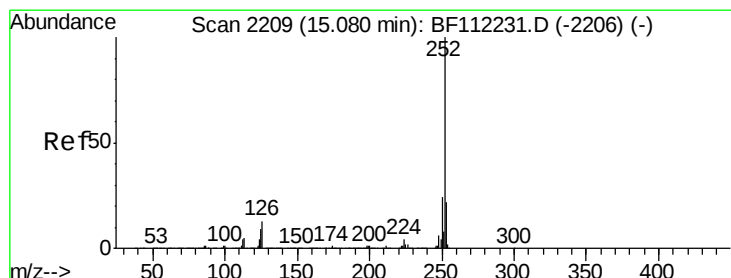
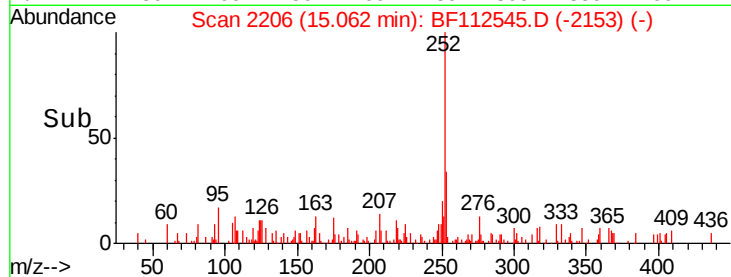
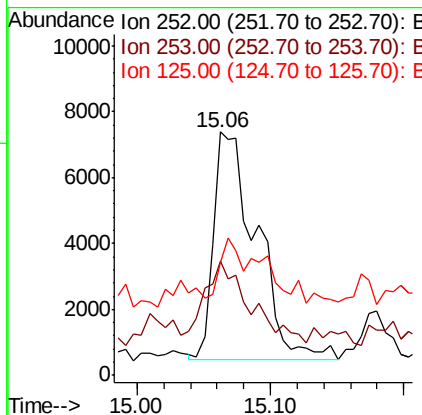
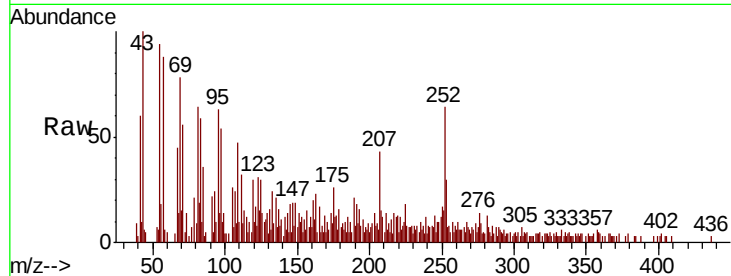




#88
Benzo(b)fluoranthene
Concen: 1.468 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

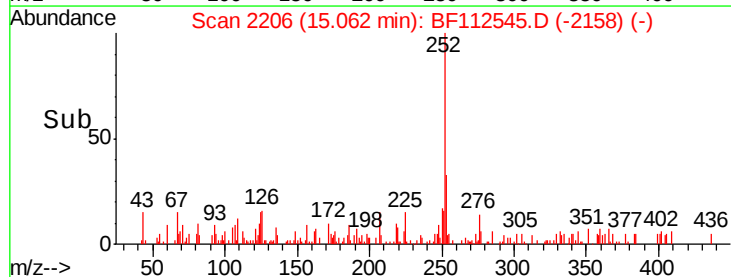
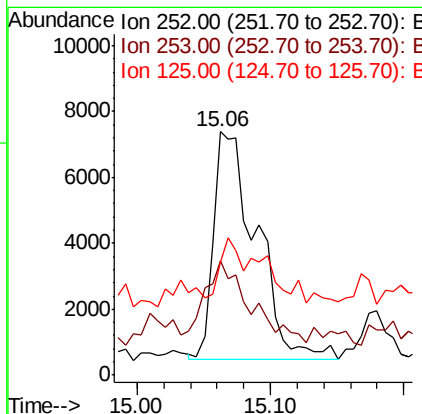
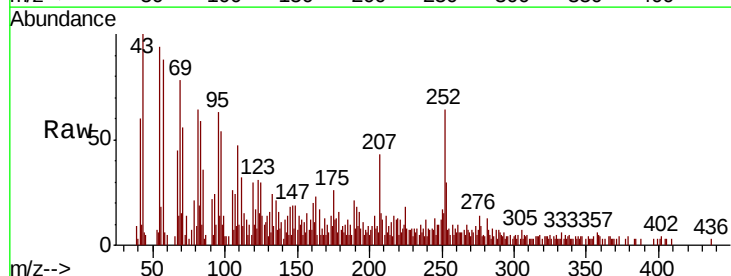
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-P

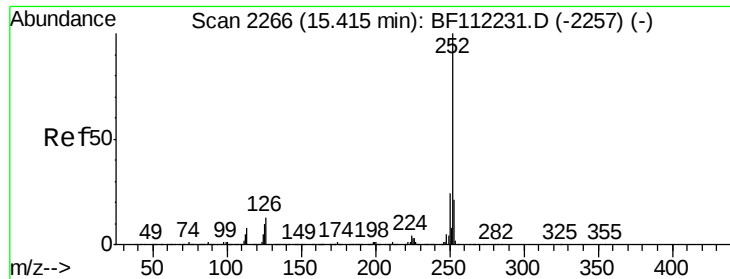
Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.8	18.0	27.0#
125	46.4	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 1.533 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112545.D
Acq: 13 Feb 2019 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.8	18.0	27.0#
125	46.4	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 0.848 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.02 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

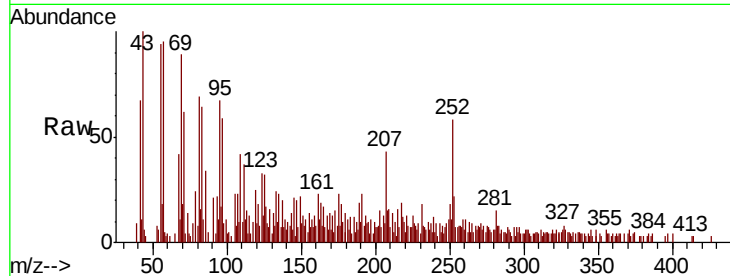
Tgt Ion:252 Resp: 7985

Ion Ratio Lower Upper

252 100

253 38.2 17.5 26.3#

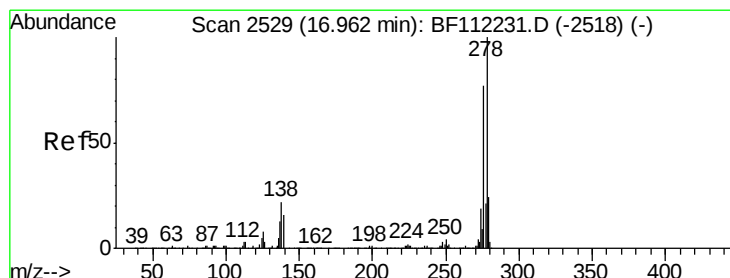
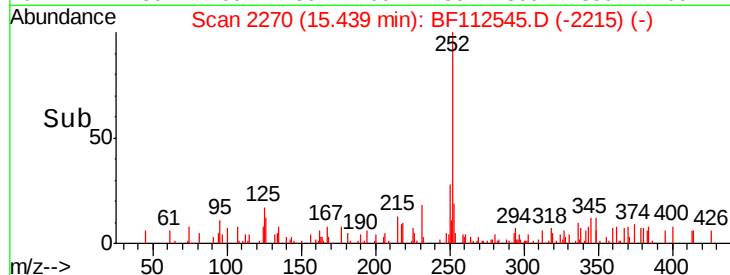
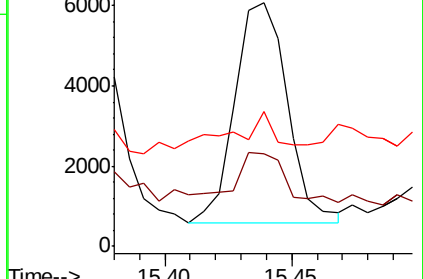
125 55.3 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.243 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

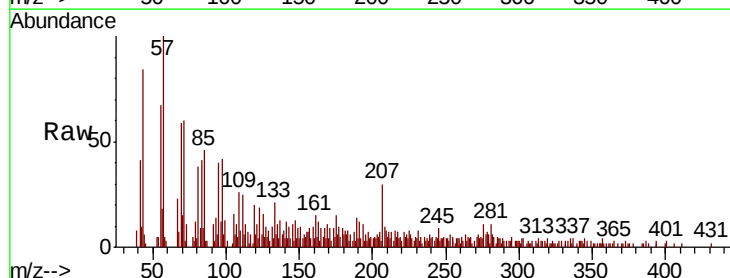
Tgt Ion:278 Resp: 1844

Ion Ratio Lower Upper

278 100

139 123.6 13.7 20.5#

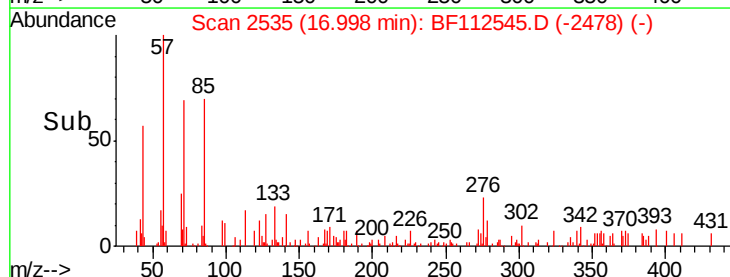
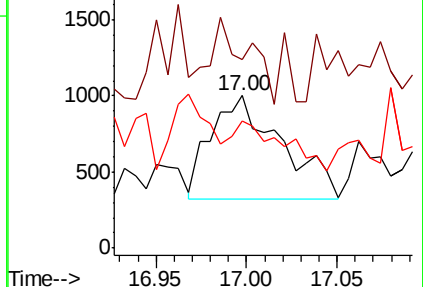
279 83.4 19.0 28.6#

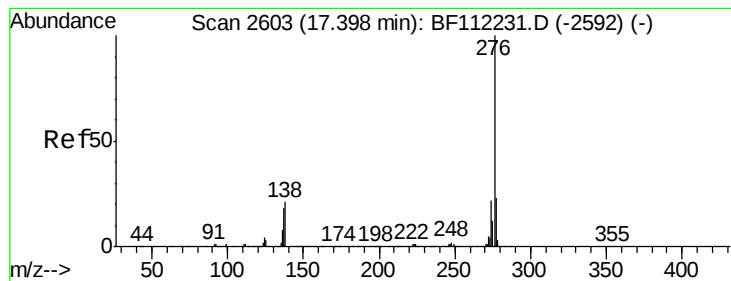


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.061 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112545.D

Acq: 13 Feb 2019 18:10

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-P

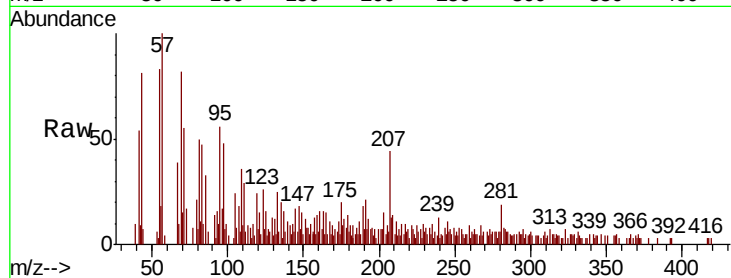
Tgt Ion: 276 Resp: 439

Ion Ratio Lower Upper

276 100

277 111.1 19.4 29.0#

138 111.2 19.1 28.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

